CATALOGUE

—OF—

THE W. T. FALCONER MFG. CO.

MANUFACTURERS OF

Simplicity Hives

SECTIONS,

"Falcon Brand" Comb Foundation,

AND A FULL LINE OF

BEE-KEEPERS' SUPPLIES.

JAMESTOWN, N. Y., U. S. A.

1891

Cable Address, - - "HIVES-FALCONER."

J. B. SAVAGE, PRINTER, CLEVELAND, OHIO.

INDEX.

	PAGE.
Alley's Combined Queen and Drone Trap	27
Alighting Boards	27 and 28
Alsike Clover	28
American Beekeeper	25
Bee Entrance Guards	19
Blood's Roller	23
Box Scraper	27
Brushes, Davis' and Yucca	22
Brood Frames	11 and 12
Brood Foundation	22
Books for Beekeepers	25
Cages for Queens	12 and 13
Chaff Cushions	21
Comb Basket	17
Comb Bucket	23
Comb Guides	12
Comb Holder	23
Cartons	20 and 21
Comb Foundation	22
Combined Crate	25
Dadant Uncapping Can	17
Division Boards, Plain and Chaff	21
Duck	21
Dibbern Bee Escape	13
Enameled Cloth	21
Extractors, Honey	16 and 17
Extractors, Wax	18
Extractor Parts	17
Electrotypes	25
Foundation Cutter, Carlin's	22
Falcon Surplus Cases for Simplicity Bodies and Falcon Chaff Hives	8
Feeders	18 and 19
Foundation	22
Fountain Pump or Sprinkler	19
Frames, Brood	11 and 12
Frames, Wide	26
Frames, Wired	12
Foundation Fasteners	23 and 24
Glass	27
Gloves, Rubber	14
Hill's Device	25
Hive Opener	19
Hive Clasps, Quinby	27
Hives, Chautauqua	8 and 9
Hives, Falcon Chaff	6 and 7
Hives, Dovetailed	4 and 5

	PAGE.
Hives, One-Story Chaff	9 and 10
Hives, Simplicity Chaff	9
Hives, Simplicity	2 and 3
Hives, Simplicity, 10 Crate List	3 and 4
Honey Boards	15 and 16
Hives, Simplicity, Parts of	3
Hives, Dovetailed, Parts of	6
Hives, Rhode Island-Nellis	10
Hive Carrier	27
Iron Gauge Frames	24
Ironing Tables	29
Knives	17 and 18
Metal Corners	12
Manum Swarming Device	14
Nails, Steel Wire	28
Perforated Zinc	15
Pasteboard Boxes	20 and 21
Queen Cell Protector	13
Rabbets for Hives	21
Rests for T. Tins	25 and 26
Scales	23
Sections	20
Section Holders for Dovetailed Hives	26
Section Holders for Falcon Case	8
Separators, Tin and Wood	21
Shipping Cases	26
Smokers	13 and 14
Swarming or Hiving Box	15
Section Foundation	22
Spacers for Frames	12
Staples	26
Tent	15
Transferring Implements	15
Tin Bars, Folded for Wire Frames	12
Tin Bound Sheets, Enameled Cloth	21
Tin Points for Honey Boxes	21
T. Supers	25
VanDeusen Hive Clamp	27
Veils	14
Wakeman & Crocker Machine	19
Wire Imbedder	23
Wire, Tinned, No. 30	12
Washing Machines	28
Wash Bench	29
Wringers	28
Wax Extractors	18
Wire Nails	28

TO OUR FRIENDS AND CUSTOMERS:

In presenting our eleventh annual Catalogue and Price List, we wish first to thank our customers for their very liberal orders in the past year, and for their many letters praising the quality and workmanship of our goods. We wish especially to thank you for your patience with us during the busy season, when we so frequently found it impossible to fill your orders within several days and often weeks, when you so badly needed the goods.

We supposed last season before the rush, that no matter what might be the volume of our orders, we could fill them all promptly, but alas we were completely overwhelmed for several weeks, and compelled to positively refuse many orders and we greatly offended a number of our customers, by our inability to ship their goods when promised. Well, we would like to promise you prompt shipment on this season's orders, but we dare not do it. We will say however, that we have again enlarged our factory, so that now we have nearly two acres of floor space. We have purchased a large amount of new machinery, and have at this date over ONE MILLION FEET of lumber in our yards, so that it does seem that we are in a position to fill orders as promptly as any of our competitors, if not more so; but we advise you to order AS EARLY AS POSSIBLE, so that you will be SURE to get your supplies on time.

We have revised and enlarged our Catalogue any many new articles are included besides the prices of several others are changed.

We can furnish anything that is sold for use in the Apiary, and at manufacturers' lowest prices. If you cannot find what you want, described herein, write to us; we will name you special price thereon. We sell no patent hives.

Our office, factory, sawmill, storehouses and lumber yards, (see engraving on last page of cover), cover five acres and are situated at Falconer, N. Y., at the junction of the N. Y. P. & O., B. & S. W. branch of the N. Y. L. E. & W., and D. A. V. & P. R. R., a branch of L. S. & M. S. R. R. and N.Y. C. & H. R. R., and we have a switchrunning directly to our factory, thus making our shipping facilities unsurpassed and enabling us to procure lowest rates of freight. This is an advantage in buying of us, which is doubtless often overlooked. Owing to the fact of our being at a point of several competing roads, we are able to obtain better freight rates than places having only one road, or not as favorably located. We can "bill through" to almost every point.

Hoping that you will entrust us with a share of your orders, which will at all times receive our prompt attention, we remain Yours very truly,

THE W. T. FALCONER MFG. CO.

JAMESTOWN, N. Y. March, 1, 1891.

PRICES.

It is impossible to give prices in this Catalogue that will answer for the whole year to come, but we will a all times meet the prices and discounts offered by other first-class manufactures. All purchasers may depend upon receivlng all goods at lowest prices.

Due notice of changes of prices, if any, will be given in the "Americam Beekeeper."

If you order goods at our prices and they should be higher than the prices offered by other first-class dealers, we will return the excess of money or, if requested, send other supplies, such as Sections, Foundation, or any other article desired for the amount sent. It has been our custom when a party has ordered Sections or Foundation, or both, and prices have dropped, to send enough Sections or Foundation extra for the balance, as these goods always come in handy. This has always given satisfaction.

There are a few articles, such as Nails, Glass, Foundation, etc , that are subject to change without notice, though the lowest prices possible will be charged at all times.

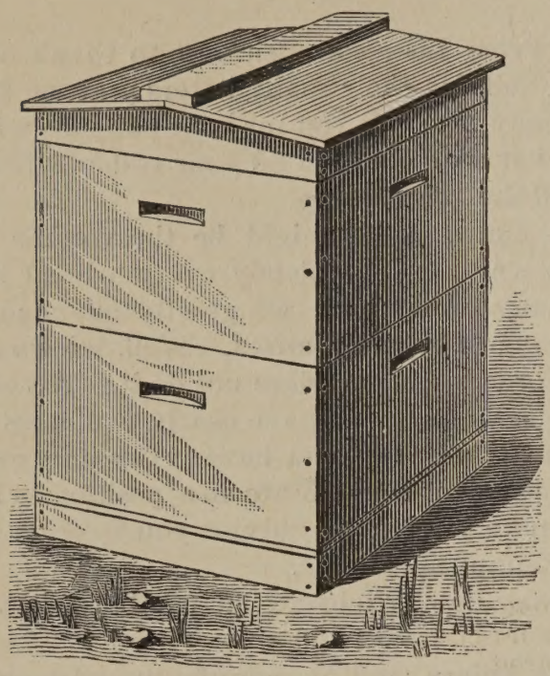
It has become customary to give discounts for certain months, and you can always depend upon our allowing as liberal discount, for such months, as are offered by our competitors.

Goods will be shipped by either Express or Freight, at the very lowest ruling rates.

All claims for damage or shortage should be made at once on receipt of goods. Do not in any case return goods until you write and we have directed what disposition to make of them.

As it is possible that some may hesitate to entrust money to strangers, we will refer such, as to our responsibility and integrity, to either the Chautauqua County National Bank, First National Bank, City National Bank, or Jamestown National Bank, of Jamestown, N. Y.; or inquiry can be made of any Commercial Agency, ***We guarantee entire satisfaction.***

Remittances can be made by draft on New York, Post Office Money Order, Registered Letter, or Express Money Order. When remitting by Registered Letter, all sums less than one dollar can be sent in Postage Stamps of any denomination. Coin is apt to wear through the envelope and be lost. Please do not send money in an envelope without its being registered.



Two-Story Simplicity Hive.

Alighting-board is not shown in cut, but is furnished with Hive as priced below.

Description is given of each style, and the price is given in a compact table, each style being numbered. In ordering, order by number and when in flat, order in lots of 1, 5, 10 etc.

These Hives are furnished with *thick top-bar brood frames*, but if desired we will furnish the regular, or old style Simplicity frame at same price.

No. 1. One-story Simplicity Hive for extractor, consisting of one body, cover, bottom, alighting-board, 10 thick top-frames and enameled sheet.

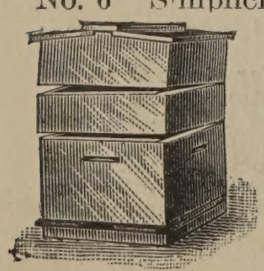
No. 2. One-story Simplicity Hive for comb honey, body, cover, bottom, alighting-board, seven thick-top frames, two wide frames with tin separators, and 16 sections with foundation-starters, and enameled sheet.

No. 3. Two-story Simplicity Hive for extractor, 2 bodies, 1 cover, 1 bottom, and alighting-board, 20 thick-top frames and enameled sheet.

No. 4. Two-story Simplicity Hive for comb honey, 2 bodies, 1 cover, 1 bottom, 1 alighting-board, 10 thick-top frames, 7 wide frames with tin separators, enameled sheet, 56 sections and foundation-starters.

No. 5. Two-story Simplicity Hive for comb honey, 2 bodies, 1 cover, 1 bottom, 1 alighting-board, 10 thick-top frames, enameled sheet, 2 T supers, sections, foundation-starters, wood separators and No. 2 zinc honey-board.

No. 6 Simplicity Hive. This Hive consists of a Simplicity bottom and body, ⅜-inch half-depth body and half-story cover, ten thick-top frames, an alighting-board, enameled sheet, two T supers, sections, foundation-starters and tin separators.



No. 7. Simplicity 1½ story Hive for comb honey, consisting of 1 bottom, 1 alighting-board, 1 body, 1 half-story cover, 10 thick-top frames, enameled sheet, 1 T super, with sections, foundation starters, wood separators and 1 No. 2 zinc honey-board.

No. 8. Portico 1½ story Hive for comb honey, consisting of Portico body with permanent bottom, half-story cover, 10 thick-top frames, enameled sheet, combined crate with sections, foundation-starters and wood separators.

No. 9. Portico 1½ story Hive for comb honey, consisting of Portico-body with permanent bottom, half-story cover, 7 thick-top frames, 2 wide frames with sections, foundation-starters, and tin separators in lower story, combined crate with sections, foundation-starters, tin separation and enameled sheet.

Table of Prices of Foregoing Hives.

These Hives are furnished with gable covers unless otherwise ordered. If flat covers are desired the price will be same. If flat covers are wanted covered with tin the price will be 5 cents per Hive extra. Tin for covers ordered alone 10 cents per cover.

Order by No.	Nailed Paint'd Each.	In Flat. Each.	5.	10.	25.	50.	Weight of 10.
No. 1	$1 35	1 00	4 75	8 50	20 60	40 35	350 lbs.
" 2	1 60	1 20	5 75	10 50	25 45	49 85	350 "
" 4	2 00	1 50	7 00	13 00	31 50	61 75	450 "
" 3	2 90	2 10	10 00	19 00	46 00	90 25	500 "
" 5	2 90	2 10	10 00	19 00	46 00	90 25	500 "
" 6	2 60	1 85	8 50	16 50	40 60	78 35	450 "
" 7	2 20	1 60	7 00	13 50	32 75	64 10	350 "
" 8	2 00	1 40	6 50	12 50	30 30	59 35	350 "
" 9	2 10	1 60	7 50	14 00	33 95	66 50	380 "

When larger quantities than given in above table are wanted WRITE FOR PRICES.

When other than thick-top or old style Simplicity frames are ordered the price will be extra per Hive for

Hoffman frames..... 5 cents.
Closed end frames..... 5 "
Metal cornered frames.....10 "
Van Deusen Reversible frames 10 "

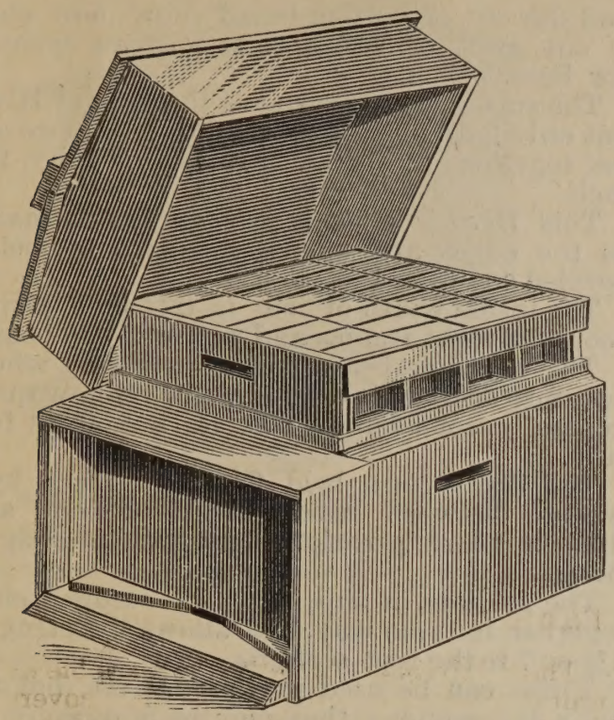
For No. 3, filled with above frames the cost will be double the rate.

Tin Separators instead of wood in No. 5, 15 cents per Hive extra. In Nos. 7 or 8, 8 cents per Hive extra.

NAILS SUITABLE FOR ABOVE HIVES.

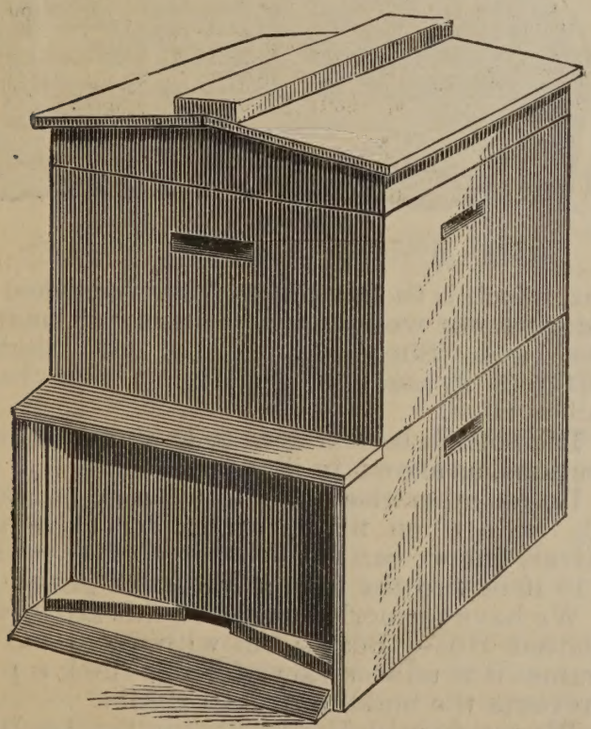
We put up in packages. nails of the proper size and quantity for Hives, as follows:

Price Per Hive in Lots of	1	5	10	50
Nails for No. 1 or No. 2 Simp. Hive.....	5	20	35	1.50
Nails for No. 3 or No 4 Simp. Hive.....	10	30	55	2.25
Nails for No. 5, Simp. Hive.....	10	30	55	2 25
Nails for No. 6, Simp. Hive.....	10	30	55	2.25
Nails for No. 7, Simp. Hive.....	10	25	45	2 00
Nails for No. 8 or No. 9 Portico Hive.....	10	25	45	2.00



Story-and-a-half Hive.

Hives Nos. 8 and 9 in above table are like the above cut, and called the Portico Hive. Having a portico and permanent bottom makes it similar to the original Langstroth Hive. This Hive is interchangeable with all kinds of Simplicity Hives, such as bodies, covers, half-stories, etc., and likewise takes all inside material used in the Simplicity.



Portico Hive with a Simplicity Upper Story.

For those who prefer the Portico Hive for a lower story, we will furnish Hives Nos. 1 to 7 inclusive, in foregoing table, with this Hive instead of the Simplicity body, bottom and alighting-board at the same prices in each case.

As many people prefer to order certain parts of a Hive only, we give tables of prices of parts of Hive below.

Metal Rabbets are included for each Hive. All parts of Hives are made from suitable quality of lumber to make sound goods. The bodies quoted in following table made from No. 2 stock are practically just as good as those from No. 1 stock (clear lumber), and we guarantee will give entire satisfaction.

Unless otherwise ordered, will send our style of cover (Gable), which we consider far superior to the old style or Flat.

Flat covers and bottoms are made just alike, and are interchangeable.

Bottom-board is used same side up as cover, and should rest on four half bricks. Entrance is made by sliding Hive forward a little on bottom-board. Alighting-board can be used if desired.

TABLE OF PRICES OF SIMPLICITY HIVE PARTS

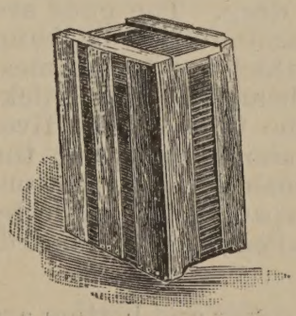
(Bodies are always supplied with Metal Rabbets.)

NAME.	WT. OF 10.	IN FLAT.					
		1	10	20	30	40	50
Bodies	85	30c	2.80	5.48	8.14	10.75	13.30
Covers (Gable)	50	22	2.00	3.92	5.82	7.68	9.50
" " with tin	60	27	2.50	4.90	7.27	9.60	11.87
" Flat	50	22	2.00	3.92	5.82	7.68	9.50
" " with tin.	64	27	2.50	4.90	7.27	9.60	11.87
" ½ story " ..	60	35	3.00	5.94	8.73	11.52	14.25
" " with't tin..	50	27	2.50	4.90	7.27	9.60	11.87
Bodies ½ story ⅞..	44	22	2.00	3.92	5.82	7.68	9.50
" ½ " ⅜..	28	12	1.00	1.96	2.91	3.84	4.75
Bodies No. 1 stock	85	40	3.80	7.45	11.06	14.60	18.05
Portico body w'h permen't bottom	130	40	3.80	7.45	11.06	14.60	18.05
Portico b'dy with out bottom	100	35	3.30	6.47	9.60	12.67	15.67
Bottom	50	12	1.00	1.96	2.91	3.84	4.75
" with Alighting-board	60	18	1.50	2.94	4.36	5.76	7.12

Simplicity Hives, made to take the frames crosswise same as above. Prices will be furnished on application, for Hives, made to take frames other than the Simplicity.

In accordance with prices of foregoing parts of Hives, we name prices on *ten crate* lots as follows, for convenience of ordering, but any combination can be made. Tin Rabbets are included with all Hives, but no inside material.

TEN-CRATE LIST.



Tn Crate No. 1 contains 10 Simp. bodies, 5 Simp. bottoms, and 5 Simp. covers, making 5 two-story Hives, in flat, (weight 170 lbs)...$4.50

Ten Crate No. 2 contains 10 Simp. bodies and 10 Simp covers, no bottoms. Price of crate, (weight 170 lbs.)..$4.80.

Ten Crate No. 3 contains 10 Simp. bodies and 10 ½-story covers, no bottoms. Price of crate, (weight 165 lbs).....$5.30

Ten Crate No. 4 contains 10 Portico Hives, with permanent bottom-board and 10 ½-story covers, (weight 225 lbs.).....$6.30

Ten Crate No. 5 contains 10 Simp. bodies, with 10 ½-story covers, and 10 loose bottom-boards, which project in front of Hive 2 inches, to form an alighting-board, (weight 225 lbs.) Price.....$6.30

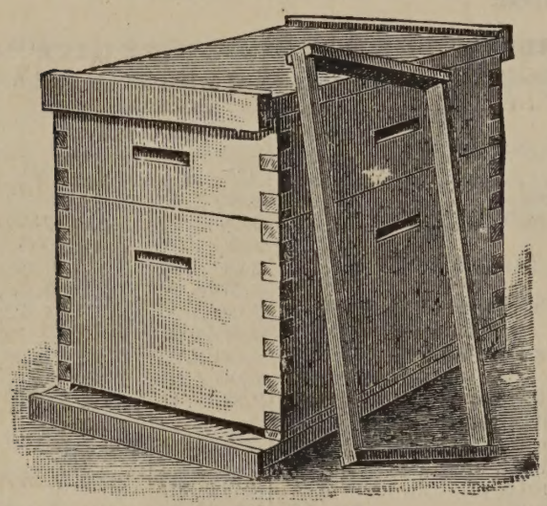
By combining ten crate No. 2 and 10 Portico Hives, no covers, at $3.80 you get 10 Portico Hives with Simp. upper story.....$8.60

For several ten crates we allow special discount depending upon quality wanted. Will name price upon application.

NAILS SUITABLE FOR TEN CRATES.

Nails for ten-crate No. 1 or 2, 25c; ten for $2.25
Nails for ten-crate No. 3, 30c; ten for..... 2.70
Nails for ten-crate No. 4 or 5, 35c; ten for 3.20

The Dovetailed Hive.

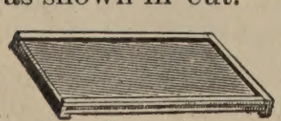


The Dovetailed Hive is taking the lead of the single walled Hives, as it contains many of the most desirable features of the various Hives for rapid handling of Bees, and is the cheapest Hive manufactured.

It is dovetailed together as shown in cut, and that is what gives it its name.

The engravings give a good idea of its appearance, but we give a brief description which will help those who have never seen one to better understand its construction.

The body is made of pine, planed both sides, and ⅞ inch thick. Outside measure 13⅞ x 20 inches and 9 ⅝ inches deep. The ends are rabbetted, ½ x ⅝, for frames to rest or hang upon. The body holds 8 thick top bar frames, L. size, and a division board, ⅜ inch thick. The frames hang below the top edge of Hive, so there is a Bee space above them, but the bottom of frames are flush with the bottom edge of Hive. The Bee space being made by the cleats ⅜ x ⅞ inch, nailed to bottom board, as shown in cut.



The cover and bottom are same size, 14 x 21 inches, the cover is made with grooved cleats at each end to prevent warping, and the cut of bottom board shows how cleat is cut away on one edge to form an opening for Bees.

The supers are same size as the body of Hive, but only half the depth, so that when two are put together, they make a full depth body, 9⅝ inch.

This Hive is cheaply but accurately made, as the edges are square, in place of being beveled as in the Simplicity.

The inside width of body is 12⅛ inch, giving room for eight frames and a ⅜ division-board.

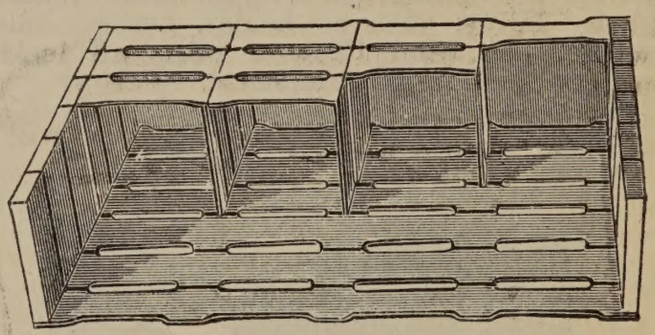
This division board being necessary where accurate spacing is desired, which is now quite generally considered to be an important feature.

The frames are held firmly in place by a wedge, between inside of Hive body and division-board, greatly assisting the moving of Bees.

The sections in super, can be wedged close together in same way, and allows the using of 1⅞ or 7 to the foot sections.

T tins can be used in these Hives, but for 4¼ x 4¼ sections they require a dummy ½ inch thick at each end.

Sections 4½ inch square, can be used without dummy, but what we consider the most desirable is the Section Holder, as shown in



Section Holders for the Dovetailed Hives.

cut, which is the same as we have furnished for years, in our well known "Falcon," "Chautauqua" and "Simplicity" Hives, only slightly different in size, to specially fit this (Dovetailed) Hive.

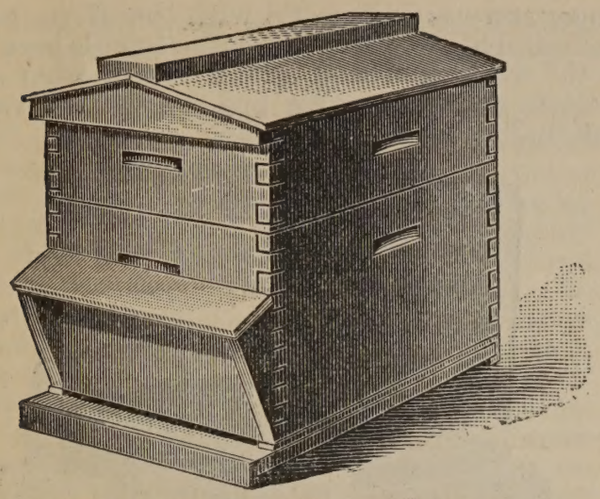
The bottom bars are cut to fit the bottoms of sections, as shown in illustration.

Unless otherwise ordered, we send sections, 1⅞ wide when filling orders for Dovetailed Hives, but we can furnish them with sections 1 15-16 or 7 to the foot at the same price.

We have formerly furnished this Hive, with Slatted Honey Board; but with thick-top bar frames it is unnecessary, for this thick-top bar prevents the building of burr combs.

We can furnish Honey Boards for this Hive, if wanted, and refer you to table giving prices of Honey Boards.

Metal Rabbets are not used in the Dovetailed Hive generally, but if wanted, we can furnish the Hive, fitted with them, for five cents per Hive extra.



Dovetailed Hive with Portico and Gable Cover.

When desired, we can furnish Portico as shown in illustration, for five cents extra per Hive.

If Gable Cover is wanted, and by many it is considered far preferable, we can furnish it for 8 or 10 cents more per Hive according to number ordered. (See table of prices.)

There being a space above sections, when Gable Cover is used, an enameled cloth or board, suitably cleated to prevent warping, is necessary.

Either of these will be furnished for 5 cents per Hive extra.

When T tins are used in the Dovetailed Hive, as given in our Nos. 5, 6, 7 and 8, they will require dummies, if 4¼ x 4¼ sections are used, or 4½ x 4½ sections can be used.

There are objections to using sections other than 4¼ x 4¼, as they require special sized shipping cases, special sized cartons, and there are other reasons that will suggest themselves to those who have had experience in using other than regular sized goods; therefore we will furnish the Dovetailed Hive, when fitted with T tins, with dummies and 4¼ x 4¼ sections, or will furnish them at the same price, with 4½ x 4½ or 7 to the foot sections, if mentioned in order.

We put up this Hive, for shipment, by simply crating the pieces together, or pack them in solid crates, as we have always packed our other Hives.

Crating the pieces together will save weight, and so save in railroad charges, but the goods will be more liable to become damaged in transit.

We will therefore pack as our judgment suggests, unless specially directed which way to put goods up.

Prices of Dovetailed Hive as given in table do not include tin for cover or brood foundation for frames. If you wish covers with tin the price will be 5 cents extra. If tin is ordered separate, 10 cents per sheet.

No. 1 Dovetailed Hive (complete with 1 super), consists of 1 bottom board, 1 body, 1 super, 1 flat cover, 8 thick-top brood frames, 1 division board, 1 follower and 1 wedge; for super, 6 section-holders with 6 tin separators for same, 24 sections and foundation starters.

No 2, Dovetailed Hive consists of 1 bottom board, 1 body, 1 super, 1 flat cover, 8 thick-top brood frames, 1 division board, 1 follower and 1 wedge for super and 6 section holders.

No. 3, Dovetailed Hive (complete with two supers), consists of 1 bottom board, 1 body, 2 supers, 1 flat cover, 8 thick-top brood frames, 1 division board, 2 followers and 2 wedges for supers, 12 section holders with 12 tin separators for same, 48 sections and foundation starters.

No. 4, Dovetailed Hive consists of 1 bottom board, 1 body, 2 supers, 1 flat cover, 8 thick-top brood frames, 1 division board, 2 followers and 2 wedges for supers and 12 section holders.

No. 5, Dovetailed Hive consists of 1 bottom board, 1 body, 1 super, 1 flat cover, 8 thick-top brood frames, 1 division board, 2 dummies, 1 follower and 1 wedge for super, 3 T tins, 2 flat tins, 6 tin separators, 24 sections 4¼ x 4¼ and foundation starters.

No. 6, Dovetailed Hive consists of 1 bottom board, 1 body, 1 super, 1 flat cover, 8 thick-top brood frames, 1 division board, 2 dummies, 1 follower and 1 wedge for super, 3 T tins and 2 flat tins.

No. 7, Dovetailed Hive consists of 1 bottom board, 1 body, 2 supers, 1 flat cover, 8 thick-top brood frames, 1 division board, 4 dummies, 2 followers and 2 wedges for supers, 6 T tins and 4 flat tins, 12 tin separators, 48 sections 4¼ x 4¼ and foundation starter.

No. 8, Dovetailed Hive consists of 1 bottom board, 1 body, 2 supers, 1 flat cover, 8 thick-top brood frames, 1 division board, 4 dummies, 2 followers and 2 wedges for supers, 6 T tins and 4 flat tins.

No. 9, Dovetailed Hive (complete two-story for extracting), consists of 1 bottom board, 2 bodies, 1 flat cover 16 thick-top brood frames and 2 division boards.

Table of Prices of Dovetailed Hives

Order by No.	N'ld and Ptd each	IN FLAT. each	5	10	25	50	Wei'ht of 10.
1 Complete	1 50	1 20	5 50	10 00	24 25	47 50	300
2 Empty....	.....	1 00	4 50	8 00	19 40	38 00	280
3 Complete	2 00	1 60	7 50	14 00	33 95	66 50	380
4 Empty....	.....	1 20	5 50	10 00	24 25	47 50	340
5 Complete	1 50	1 20	5 50	10 00	24 25	47 50	300
6 Empty....	.....	1 00	4 50	8 00	19 40	38 00	280
7 Complete	2 00	1 60	7 50	14 00	33 95	66 50	380
8 Empty....	.....	1 20	5 50	10 00	24 25	47 50	340
9 Complete	1 60	1 20	5 50	10 00	24 25	47 50	340

When other than thick-top or old style Sim. frames are used, the price will be extra, per hive, for—

Hoffman frames ..... 5c.
Closed-end frames..... 5c.
Metal-cornered frames.....10c.
Van Deusen Reversible frames....10c.

For No. 9 fitted with *above frames* the price will be double the rate.

For honey-boards for dove-tailed hives, see price list of honey-boards.

Hives with gable covers and enameled mat, or wood cover for super instead of regular flat cover, 15 cents per hive extra.

Covers tinned, 5 cents per hive extra.

Tin for covers ordered separately, 10c each.

The Dove-tailed hive made to take 10 frames instead of 8, in foregoing table, will cost extra as follows :

Nailed and painted complete.....25c.
In flat, complete.....20c.
In flat, empty.....15c.

NAILS FOR DOVE-TAILED HIVES.

	Prices for	1	5	10
Nails for	Nos. 1, 2, 5, 6	10	25	45
"	" Nos. 3, 4, 7, 8, 9	10	30	55

Nails for 10-frame Dove-tailed hive same as for 8-frame.

Table of Prices of Parts of Dove-tailed Hives.

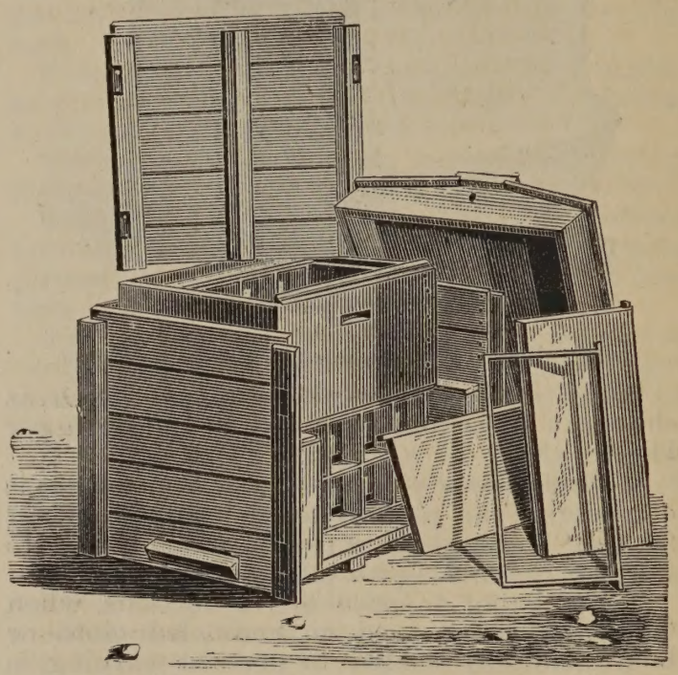
DESCRIPTION.	Nailed & Painted Ea'h	IN FLAT. Each.	5	10	25	50	Weight of 10.
8-Frame Bottom Board	15	10	45	80	1 95	3 80	43
8-Frame Flat cover	20	15	68	1 20	2 91	5 70	42
8-Frame Gable cover	35	25	1 13	2 00	4 85	9 50	36
8-Frame Body Empty	35	25	1 13	2 00	4 85	9 50	80
8-Frame super Empty	20	15	60	1 00	2 42	4 75	40
8-Frame sup. with Sec. Hdrs	30	25	1 13	2 00	4 85	9 50	60
8-Frame super with T Tins	30	25	1 13	2 00	4 85	9 50	60
8-Frame super complete with Sec. Sep. and Starter, either with T Tins or Sec. Holders	50	45	2 13	4 00	9 70	19 00	80
10-Frame Bottom Board	18	12	55	1 00	2 42	4 75	50
10-Frame Flat Cov	24	18	83	1 50	3 64	7 12	50
10-Frame Gable Cov	40	28	1 33	2 50	6 06	11 87	40
10-Frame Body Empty	40	30	1 38	2 50	6 06	11 87	85
10-Frame Super Empty	20	15	70	1 30	3 15	6 17	42
10-Frame Sup. with Sec, Hdrs	30	25	1 20	2 30	5 57	10 92	65
10-Frame Super with T Tins.	30	25	1 20	2 30	5 57	10 92	65
10-Frame Super complete, with Sec. Sep. and Starters, either with T Tins or Sec. Holders	55	50	2 38	4 50	10 91	21 37	85

When larger quantities are wanted than are given in foregoing tables, write for special prices.

"FALCON" CHAFF HIVE,

DESCRIPTION OF THE "FALCON" CHAFF HIVE.

Chaff hives are gaining favor among bee-keepers more and more every year. Almost every bee-keeper has an "idea" of his own in regard to the best way to keep bees, both in winter and summer — some claiming that a Chaff Hive for winter use will not work in summer on account of the warmth ; that as the upper story is built solid with the Hive, it is undesirable and inconvenient to handle bees in, in the working season, and a host of other objections and reasons for and against the various chaff hives in the market.



SHOWING

Inside Arrangement and one Movable Side.

In perfecting this hive we have endeavored to arrange it so that it can be adapted to almost any one's "idea". In the following description, which we have endeavored to make as clear as possible, it will be seen how nearly we have accomplished our object. In outward appearance it is much the same as the Simplicity Chaff Hive. It has a gable roof, the sides are made of half-inch stuff, the corners solid. The lower story is packed permanently with three inches of chaff at the ends of the frame only. This lower story contains ten brood frames (Simplicity or L size), two chaff cushions, each two inches thick, and two division boards each one inch thick. The outside rim or shell extends above lower story seven inches.

For the upper story a Simplicity body is used, placing the same over the brood frames in the lower story, letting the edges of the sides rest on top of the chaff cushions. This makes a two story hive, suitable for either extracted or comb honey, as desired.

For winter packing remove the Simplicity body, or the upper story, cover the brood frames with cloth, and fill above with seven inches of chaff, or less, as thought best. Or, what is better, and more convenient, make a sufficiently large bag, fill loosely with chaff, and press down evenly over the bees. This makes it easy to remove and look at the bees, and prevents the chaff from falling down among them. If more warmth is wished at the sides of the frames, remove the brood frames enough to place in extra chaff cushions.

The dead air space caused by the division boards and cushions adds largely to the warmth of the hive.

For those who do not wish chaff about the bees in summer, it can be removed without interfering with the bees, by drawing a screw or nail at each end of the board that goes under the chaff chamber and raising the hive slightly —the chaff will then fall out. The chaff from cushions can also be removed if wished. To fill the chaff chamber, remove the top or cover on inside of hive, fill with chaff and replace. The bottom of hive can be packed with chaff if desired, but this we do not consider a benefit. For summer management, those who desire side storage can remove chaff cushions and replace with wide frames of sections. This makes a hive with ten brood frames, two wide frames and upper story with seven wide frames. Or, if desired, we will make upper body, holding eight, nine or ten wide frames, at same price.

If a swarm is small and it is wished to increase from nuclei, remove a chaff cushion, one or two brood frames, place division boards towards centre of hive and close up to brood frames, fill space between division board and side of hive with frames, cover same with enameled cloth ; bore a suitable hole in outside of hives and this forms a nucleus hive as easily to be gotten at as any. One can be formed on each side if wished, in which case the hive would contain three swarms of bees, and the swarm proper would at the same time be working in upper story as though nucleus swarms were not there. By making a suitable rack to hold them, any sized sections can be used for surplus honey.

WE WILL FURNISH THIS HIVE AT THE FOLLOWING PRICES :

Hive complete, nailed and painted two coats, containing chaff cushions, division boards, ten brood frames, seven wide frames, 56 sections, 4¼x4¼x2, foundation starters and separators	$4 50
In lots of ten	4 00
Hive material for same as above, except starters, in flat	2 50
In lots of ten	2 25
Hive nailed and painted, without frames, but containing chaff cushions and division boards	2 50
In lots of ten	2 25
Hive in flat, with material for chaff cushions and division boards, and upper story but without frames	1 55
In lots of five	1 45
In lots of ten	1 43
In lots of twenty-five	1 40
In lots of fifty	1 37
In lots of one hundred	1 3

Printed directions for nailing this hive are put in each package

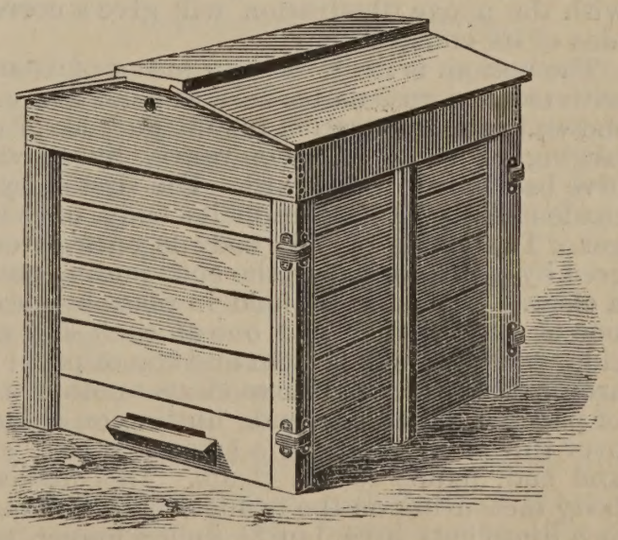
As many persons wish a hive with movable sides, we have adapted the "Falcon" to the requirements. For obvious reasons it will be found convenient. The corner is so arranged as to make the hive just as warm for winter as though made solid, and looks exactly the same with exception of iron clamps, which do not mar the symmetry of the hive.

One or both sides will be furnished movable at an additional cost from price list, per side	$0 15
Those having Simplicity hives and wishing to change to Chaff hives, can get the "Falcon," less upper story, using their own for that purpose. The price will be less the cost of Simplicity body	20

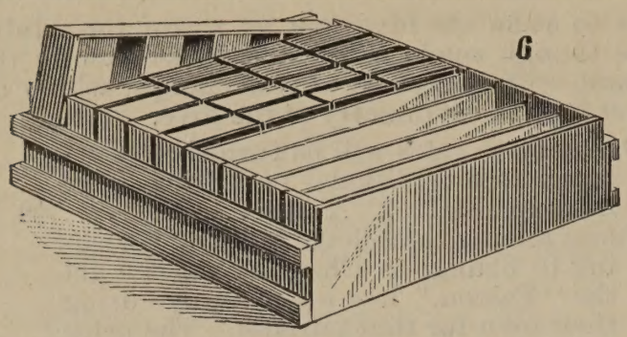
Any means that can be employed to increase the warmth of a hive is an advantage. The following is a simple arrangement to accomplish this very cheaply. Take ordinary building paper and tack to side and ends of hives on inside, which accomplishes the same purpose as when applied to buildings. To make a nice finish a V-shaped tin should be used, made so as to lap over top edge of paper and on bevel of top edge of outside of hive. A strip of tin an inch wide before bending will be sufficient. This tin, however, is not really necessary if top edge of paper is well tacked. While we do not consider this lining a necessity for the "Falcon" more than for any other hive, at the same time it will readily be seen that the air space between the outside of hive and paper will add greatly to the warmth, and the paper at the same time acting as an absorbent will take up any superfluous moisture and furnish in a great measure the peculiar advan ages of the old fashioned straw hive.

This lining will not interfere with inside arrangement of hive, and should be put on after the hive is nailed up complete. It can be put in without difficulty when the bees are in the hive. We will furnish the paper cut to fit the inside of "Falcon" hives, as follows :

Four pieces two for sides and two for ends,	$0 10
In lots for ten hives	80
Four V shaped tins, two pieces twenty-four inches long, and two pieces twenty inches long	10
In lots for ten hives	80
Paper and tins in lots for ten hives	1 50



"Falcon" Hive, Showing Outside.



Falcon Surplus Case for Upper Story to Chaff Hive.

This case holds nine section holders, each holding four sections 4¼x4¼. The section holder, as will be seen by referring to engraving, has no top bar, but is supplied with a wood separator which holds the ends together and makes a very stiff frame.

This arrangement will be found far preferable to the wide frame. The "Falcon" hive will be supplied with two of these cases in place of upper story when desired, and prices for this hive will be the same in all respects, whether supplied with Simplicity upper story or two cases. We will always send Simplicity upper stories unless cases are ordered instead. The same applies where prices are given for upper story filled with wide frames, sections, etc.

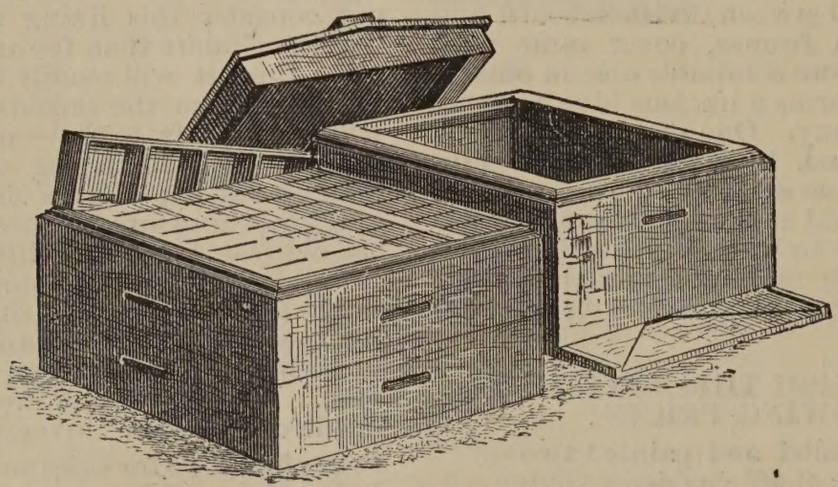
PRICE OF CASE WITHOUT SECTION HOLDERS.

Cases in flat, in lots of five	$0 15
Cases in flat, in lots of ten	12
Cases in flat, in lots of twenty-five	10

We have adapted this case for the Simplicity Hive. Each body will contain two cases, each case holding six section holders, and each holder four sections. Prices of cases and section holders same as quoted for chaff hives.

FALCON SECTION HOLDERS WITH PLANED WOOD SEPARATORS.

100 section holders in flat	$2 00
500 section holders in flat, per 100	1 75
1000 section holders in flat, per 100	1 50



THE CHAUTAUQUA HIVE.

The "Chautauqua" Hive combines the advantages of a chaff hive without its disadvantages. The following description in connection with the above illustration will give a correct idea of its construction.

The bottom is made of two pieces of boards with cleats across under side, and cut away as shown in the illustration for the purpose of enlarging or contracting entrance, by moving hive backward or forward. The first story is made exactly like a Simplicity body, only larger. The inside of this body is entirely covered by a strip of paper, the ends joining under a cleat. This paper is held in place by cleats, one at each corner and one at each end and side, with cleats at bottom and top of paper all around the hive. On these cleats another strip of paper is nailed, the ends uniting on a cleat, over this paper is placed a ⅞ board at each side and end, nailed to the cleats. This makes a body measuring on the inside exactly the same as a Simplicity hive, but 2¼ inches longer, and 3½ inches wider outside, with an absolutely air tight space all around the brood chambers 1⅜ inch on the sides and ¾ of an inch at the end.

There are two half stories, each 5 inches wide, made exactly like a Simplicity half story, only large enough to fit the lower story. Each half story holds 10 section holders holding 4 sec. 4¼x4¼ each. The cover is Simplicity style, only large enough to fit the bodies. The lower body and the half stories are beveled both top and lower edges, and are interchangeable like Simplicity hives.

For summer management one or more half stories are used, or if run for extracted honey, a movable piece with rabbets for hanging frames on is placed in the ends of the half stories.

For winter arrangement the section holders are removed from the half stories, and one of them placed above and one below the lower body. After covering the brood frames properly with cloth, the upper half story is filled with chaff or a chaff cushion can be used. The lower half story under brood frames is left

empty, or filled, or partially so, with chaff, as thought best, thus making the space below frames as large or as small as desired.

This hive is almost as light as aSimplicity, which is often a great advantageas compared with chaff hives, and the dead air space is just as good as chaff, if not better, and the protection above and below brood chamber is as good as any chaff hive.

It is remarkable how well this hive is received by bee-keepers. All who see it acknowledge its good points, and our sales have been largely in excess of expectations.

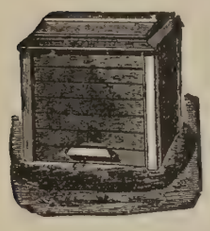
The prices of these hives are as follows:

Hive in flat as shown in cut, without any frames or inside material, but with paper and all material for constructing air spaces	$1 50
In lots of ten	1 35
Hive complete in flat, with ten brood frames, 20 section holders, 80 sections and mat	2 50
In lots of ten	2 25
Hive complete, painted, ready for bees, fdn. starters in sections	3 50
In lots of ten	3 25

Paper is included in above prices, and each piece is cut exact size to fit. The hive is very easily put together, and requires no directions other than the foregoing description.

False ends to go in upper half stories, so hive can be used as a two-story hive for extracting, 20 cents per hive.

SIMPLICITY CHAFF HIVE.



This is a two-story hive. The lower story has the same inside measurements and capacity as the Simplicity. The upper story will hold 14 brood frames for extracting, or 10 wide frames for comb honey, and these hang at right angles to those below. Two T Supers can be used in upper story instead of frames.

There are a great many pieces to this hive, and when ordering first lot we advise getting one nailed up as a pattern.

DESCRIPTIVE LIST OF CHAFF HIVES.

These hives all include tin on the covers, but no foundation for brood frames. Hives shipped put up and painted complete are also chaff packed; those shipped in flat do not include chaff or nails.

No. 1. Chaff hive complete for comb honey; includes hive with cover, 10 thick-top frames, enamel sheet, 10 wide frames with sections, tin separators and foundation starters.

No. 2. Chaff hive complete for comb honey; includes hive with cover, 10 thick-top frames, enamel sheet, 2 T supers with sections, foundation starters, wood separators, and No. 2 zinc honey-board.

No. 3. Chaff hive complete for extracted honey; includes the hive and cover, with 24 thick-top frames, enamel sheet, and No. 1 zinc honey board.

No. 4. Chaff hive complete for comb honey; includes 10 thick-top frames, enamel sheet, two 10-frame Dov. supers, with follower and wedge, complete with section holders, tin separators, sections, foundation starters, and No. 12 wood-bound zinc honey-boards.

No. 5 Chaff hive is simply the empty hive with cover, without any inside furniture of any kind.

TABLE OF PRICES.

Order by No.	Nld & Ptd.	IN FLAT. Each.	5	10	25	50	Wght of 10.
No. 1	4 25	2 90	13 50	26 00	63 05	123 50	800
" 2	4 00	2 70	12 50	24 00	58 20	114 00	750
" 3	3 10	2 10	9 50	18 00	43 65	85 50	650
" 4	4 50	3 10	14 50	28 00	67 90	133 00	750
" 5	2 50	1 50	7 00	13 50	32 74	64 12	550

Painting two coats 50c.; packing with chaff 20c. Prices given in nailed and painted columns will be less accordingly if ordered without paint or chaff.

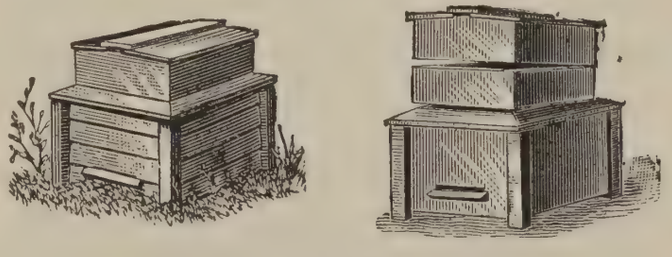
NAILS FOR ABOVE HIVES.

	Price for 1	5	10
Nails for Nos. 1, 2 or 4 Chaff Hive	15c	55c	$1.00
Nails for Nos. 3 or 5 Chaff Hive	10	45	.90

PRICE LIST OF PARTS OF CHAFF HIVES.

NAME.	Price 1	Price 10	Wt. 10
Corner-posts for 2-story, per set of 4	16	$1 40	55
Rims to cover chaff space " "	16	1 50	30
Tarred paper 2 feet square	3	25	5
Corner-posts for 1-story, set of 4	10	90	30
Rim pieces	16	1 50	22
Tarred paper, 18 x 23 in	3	20	4

Tarred paper in rolls of about 30 lbs., 3c lb.



ONE-STORY CHAFF HIVES.

The single story Chaff Hive is interchangeable with the Simplicity and its furniture; i. e., it will take both the flat or half-story cover, any of the Simplicity crates or supers, and the Simplicity body—the latter to be used for an upper story or for tiering up. By lifting off cover or upper story access is obtained to brood chamber. This Hive is prefered by many t- the two-story Simplicity Chaff Hive for fol lowing reasons:

Its wintering qualities are as good.

It is more convenient for handling bees in and is cheaper.

DESCRIPTIVE LIST OF ONE-STORY CHAFF HIVES.

None of these Hives include tin on the covers or foundation for the brood-frames. Tin may be added for five cents each Hive extra if so

ordered. Tin furnished separately is worth 10 cents per Hive. Hives shipped put up are chaff packed; those in flat do not include chaff or nails.

No. 1, One-story Chaff Hive complete includes the Hive with Simplicity upper story and flat cover, 10 thick-top frames, enamel sheet, 2 T supers with sections, foundation starters, wood separators and No. 2 zinc honey-board.

No. 2, One-story Chaff Hive complete as shown at the right above, includes half-story cover, and ⅜ inch, half-depth body, and is furnished just like No. 1 inside.

No. 3, One-story Chaff Hive complete, as shown at the left above, includes the Hive with half-story cover, 10 thick-top frames, enamel sheet, 1 T super with sections, foundation starters, wood separators and No. 2 zinc honey-board.

No. 4, One-story Chaff Hive complete, includes the Hive with half-story cover, 10 thick-top frames, enamel sheet, 1 combined crate with sections, foundation starters and wood separators.

No. 5, One-story Chaff Hive is simply the empty Hive with half-story cover; no inside furniture of any kind.

Price List of One-Story Chaff Hives.

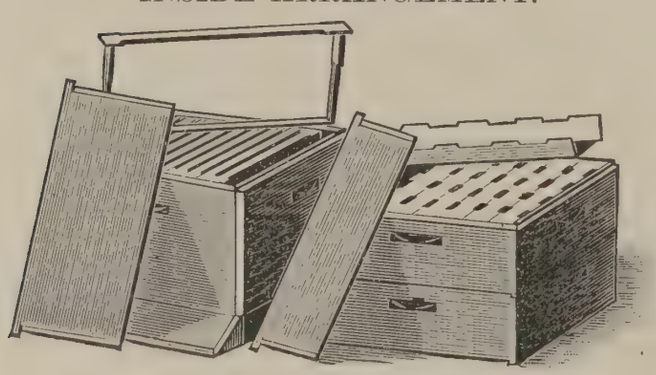
ORDER BY NO.	NAILED AND PAINTED.	IN FLAT.					WT. OF 10
		EACH.	5	10	25	50	
No. 1	$3 70	$2 50	$11 50	$22 00	$53 35	$104 50	650
" 2	3 60	2 40	11 00	21 00	50 92	99 75	550
" 2	3 00	2 00	9 00	17 00	41 22	80 75	480
" 4	2 90	1 90	8 50	16 00	38 80	76 00	470
" 5	2 00	1 20	5 25	10 00	24 25	47 50	350

NAILS SUITABLE FOR ABOVE HIVES.

	Price for 1	Hives 5	10	50
Nails for No. 1, 1-story Chaff Hive	15c	50c	90c	$4 00
Nails for No. 2, 1-story Chaff Hive	15	50	90	4 00
Nails for No. 3, 1-story Chaff Hive	15	45	80	3 75
Nails for No. 4, 1-story Chaff Hive	15	45	80	3 75
Nails for No. 5, 1-story Chaff Hive	10	40	75	3 50

Rhode Island—Nellis Hive.

INSIDE ARRANGEMENT.

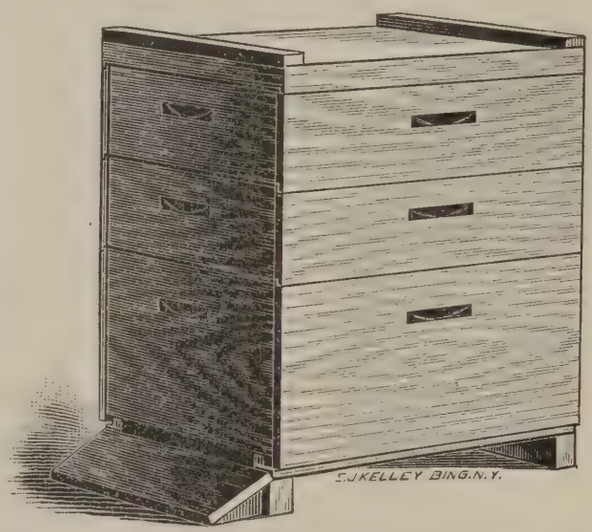


This is the Hive used at the Rhode Island State Experiment Station and is a very popular Hive in the New England States. The brood frames used in the Hive are the Hoffman, same style as Simplicity.

We believe this Hive will be in large demand. Full description of it is given in Feb. Number of *The American Bee-Keeper.*

Rhode Island—Nellis Hive.

OUTSIDE APPEARANCE.

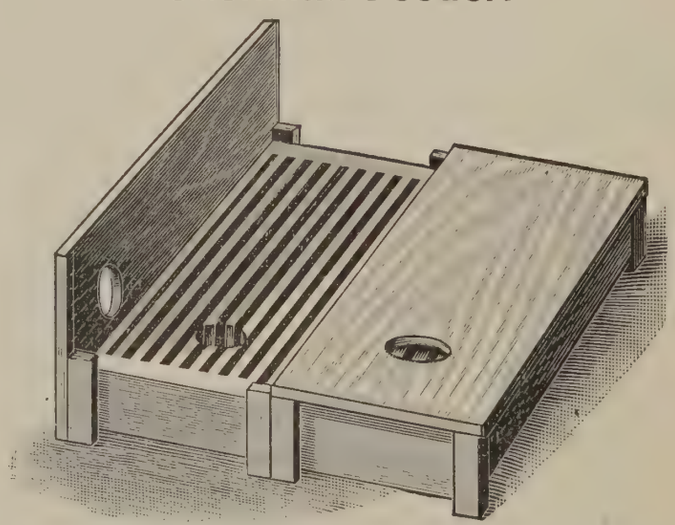


This Hive consists of 1 bottom board, 1 body, 2 half-bodies, 1 cover, 10 Hoffman brood frames, 1 division board for lower story, 2 division boards for upper story, 14 wide frames single tier, 14 tin separators, 56 sections 4¼ x 4¼.

Price of R. I. N. Hive complete in flat as described.....each, $2.00
In lots of ten..... 1.90
The same put up and painted.....each, 2.75

Parts of this Hive will cost about the same as for 10 frame Simplicity Hive.

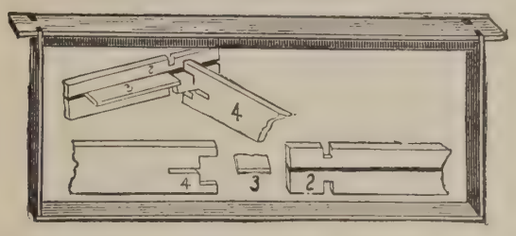
Cushman Feeder.



The space for syrup is made by sawing slots in a solid block of wood. The illustration shows two feeders side by side, one with cover on, and the other with cover removed, and the two feeders placed in this way in Hive just fill

the inside of the Rhode Island-Nellis or 10 frame Simplicity Hive. A single feeder however can be used at a time.
Price nailed complete.....each, 25c.

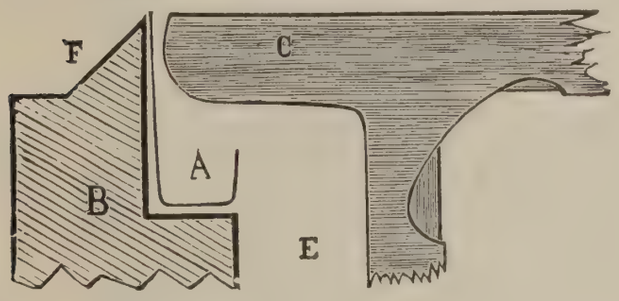
Brood Frames.



THE ALL-WOOL SIMPLICITY BROOD FRAME.

This frame, as shown in illustration, is the regular Simplicity frame, which we have furnished formerly, with all styles of Simplicity Hives. It will doubtless continue to be used by many Bee-Keepers in preference to changing to new style of frame, but as it is liable to sag, and a frame with thick-top bar will prevent the building of burr combs, the latter frame will be generally preferred.

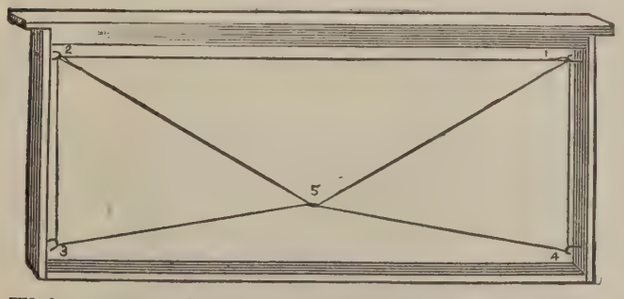
Metal-Corner Frames.



METAL CORNER AND ITS POSITION IN THE HIVE.

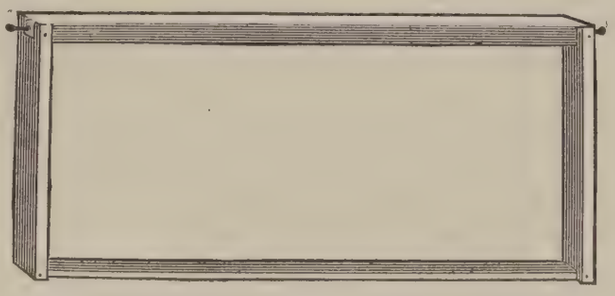
This is the same frame as we have formerly furnished with the Simplicity Hives. It has, however, the same objections as the foregoing frame, as regards burr combs and sagging. These Metal Corners cannot be used on thick-top bar frames or on any frame wider than $\frac{7}{8}$ inch, or thicker than $\frac{1}{4}$ to $\frac{3}{8}$ inch.

Thick-Top Bar Frame.



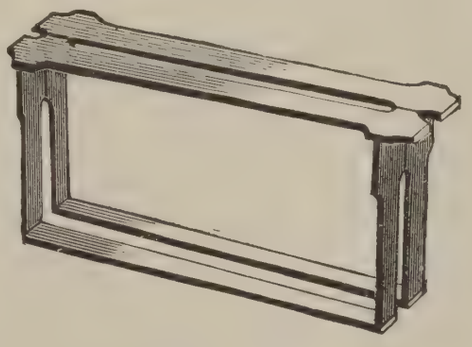
This frame has a top bar $\frac{7}{8}$ inch deep by 1 1-32 inch wide. It is rapidly taking the lead, from the fact that it will not sag, and the thick-top bar prevents the building of burr combs. They should, to produce the best results, be spaced $1\frac{3}{8}$ inch from center to center, and have a Bee space of $\frac{1}{4}$ to 5-16 inch between the top of frames and the bottom of frames or supers above. The cut also shows the new way of wiring.

Closed End (Fixed) Frame.



While we have never listed this style of frame before, we have made quantities of them on special orders. They are used in Hive with follower and wedge. The ends being wide, they are accurately spaced, and the wedge holds them firmly in place. Having a thick-top bar they are free from burr combs, and as the ends of the frames are close together, they will cause the Brood Nest to be kept warmer than open end frames. We make them for hanging in Simplicity Hives, but they can be used as a standing frame when Hive is properly arranged.

Hoffman Frame.



This frame we have listed and priced for years and many of our customers prefer them to any other style of frame. We have used them in our own Apiary for the last six years exclusively.

As will be seen by referring to illustration they are accurately spaced by the shoulder on top bar. The side bars also have similar shoulders at their upper ends. These frames prevent the building of burr combs and admit of very rapid handling.

Van Deusen Reversible Frames.

For those who wish a fixed standing frame, we can recommend this one highly. It is reversible and free from burr combs. They have light cast iron cerners, with ears, that not only space the frames equally, but prevent their sliding end ways in the Hive. The illustration shows how these castings are fastened to frame. They stand in the Hive on tin rests, which are nailed on bottom edge of Hive end,

Spacers for Hanging Frames.

These, if nailed to ordinary frames will make them, practically, a fixed frame. They are made of wood 2 inches long, and as cut shows, V shape. Two are required to a frame one on *each* end bar, but on opposite side.

PRICE LIST OF BROOD FRAMES.

NAME.	Put up 100	In Flat 10	In Flat 100	In Flat 1000	Wt. of 100
All wood frames	2.00	.15	1.20	10.00	25 lbs.
Metal-cornered fra's	3.00	.25	2.20	20.00	28 lbs.
Thick-top frames	2.00	.18	1.50	13.00	35 lbs.
Closed-end frames	3.00	.25	2.00	18.00	40 lbs.
Hoffman frames	3.00	.25	2.00	18.00	35 lbs.
Van Deusen rev. fra's	3.50	.30	2.50	23.00	40 lbs.
Extra cost of wire with any of above	50	3	.10	1.00	
Wood comb-guides			.15	1.00	24 oz.
Metal corners (tin), tops & bottoms			.30	2.70	22 oz.
Metal corners, tops only			.35	3.15	24 oz.
Metal corners, bottoms only			.25	2.25	20 oz.
Van Deusen cor's (iron), 1⅜ spac'g			.30	2.70	32 oz.
Wood-frm. spacers for ¼ x ⅞ ends			.15	1.00	

The foregoing frames, described, are L or Simplicity size, and all our Hives are made to take this frame. Outside measure is 9⅛ x 17⅝ inches of all except the Closed End Frame, which is 18⅛ x 9⅛ inches.

Our price on odd sized frames will be the same as given in above table, on all kinds, except the Hoffman, with a charge of 50 cents added for setting machinery on any quantity less than one thousand.

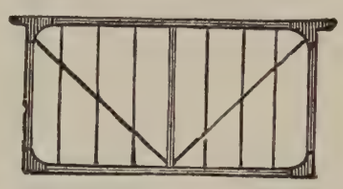
On orders of one thousand or more odd sized frames, of one kind, we make no charge for cost of setting machinery.

For the Hoffman style, odd sized frames, the charge will be $1.00 instead of 50 cents as above.

The cheapest form of wiring is shown in cut of thick-top frame.

It answers the purpose as well as the old style and is much more rapidly done. The hooks are made by driving a wire nail through the end bar of frame towards the inside, and and turning the point in the form of a hook. Commence with loop over No. 1, then pass the wire over Nos. 2, 3, 4 and 1, respectively, and pass end of wire under lower wire and pass the end through No. 2, drawing the same taut, and twist it around the wire to hold it in place; this tightens the wire, as shown in cut. It requires a wire 69 inches in length for each frame. To cut the wire in proper lengths, take a thin board, 34½ inches long, wind as much wire around the board as you desire and tie the strands together, then cut the wire at one end of board.

Old Method Wired Frame.



The cut shows old style of wired frame with tin bar support. On account of frames having to be pierced, the necessity of a tin bar and extra amount of wire (90 inches to frame) the cost is a little more than the style of wiring shown in cut of thick-top bar frame. It also takes somewhat longer to wire frames in this way. However, as many may wish the style of wiring, we will furnish them at the following

PRICES.

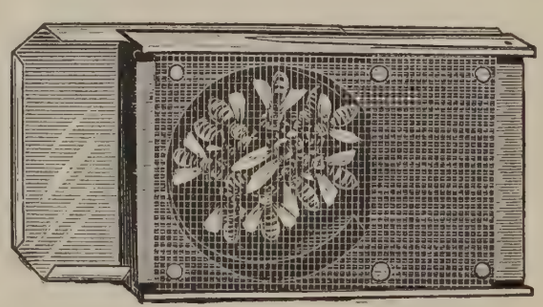
100 Metal-cornered wired frames, in flat	$2 60
1000 Metal-cornered wired frames, in flat	24 00
100 Metal-cornered wired frames, put up	4 00
100 all Wood wired frames, in flat	1 60
1000 all Wood wired frames, in flat	14 00
100 all Wood wired frames, put up	3 00

PRICE LIST OF TINNED WIRE.

Postage.		Price Each	Price Doz.
2c.	1-oz. spools No. 30 tinned wire	$ 3	$ 25
6c.	¼-lb. " " " "	8	85
10c.	½-lb. " " " "	13	1 40
17c.	10-oz. " " " "	15	1 56
18c.	1-lb. " " " "	20	2 10
	5-lb coils " " "	70	7 80

Bars of folded tin per 100-8½ inch long ..... $ 30
" " " 1000-8½ " 2 50

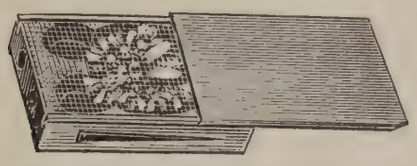
Cages for Queens.



THE PEET CAGE.

This has been the leading cage for many years. It is an excellent one for introducing queens, and will doubtless continue to be popular.

Dewey's Peet Cage.

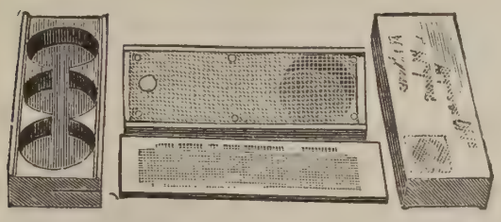


Messrs. F. H. and E. H. Dewey, of Westfield, Mass., have improved the Peet cage by having an extra wire cloth covering that slips in under the tin cover. This keeps the Queen and Bees from direct contact with the tin. There are also two holes in end filled with candy, which on being eaten out or removed by Bees liberates the Queen. In meantime the Bees in Hive being in close proximity to Queen become acquainted and readily accept her.

The cut gives an accurate idea of its construction.

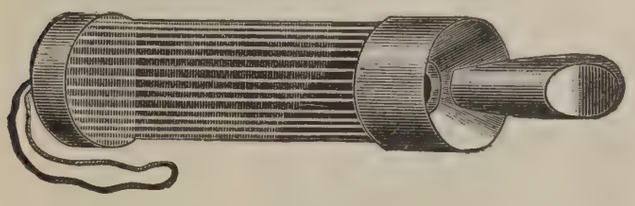
Directions for introducing accompany each cage.

Benton Cage.



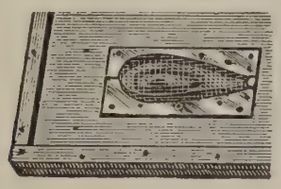
This is undoubtedly the best cage for mailing and is adapted likewise for introducing. Directions for introducing are printed on the cover.

Klimitz's Queen Catcher and Introducing Cage.



For catching Queens without injury, an excellent introducing cage. For description see printed instructions with each cage.

Dibbern Bee Escape.



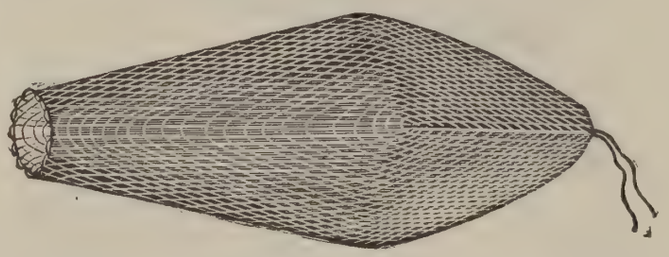
This Bee Escape is of great assistance in removing surplus honey. The one we furnish is very similar to the one shown in above cut, which shows only one corner of escape board, with cone in place.

The escape should have a rim two or three inches deep. The escape board is put on the Hive, cone next the brood chamber, between this and the comb or extracting supers, from which you wish to rid the Bees.

One cone is enough for each board, and is fastened over a hole, about one inch in diameter, at or near the centre.

We furnish boards with rims 2 inches deep.

Queen-Cell Protector.



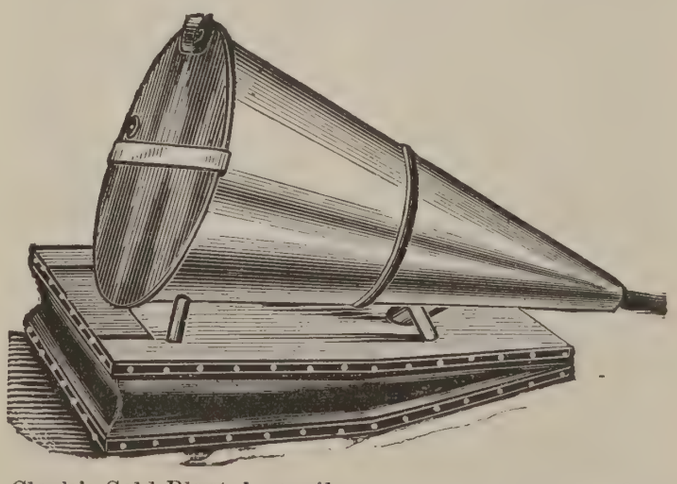
This is an invention of G. M. Doolittle for protecting queen-cells when placed in queenless colony to hatch. After placing the queen-cell inside the protector the corners are brought together as shown in illustration.

PRICE LIST OF QUEEN CAGES.

NAME.	1	10	100	WT. OF 10
Peet cage complete.....	5	44	$4 20	18 oz.
" " " no candy	5	40	3 70	15 "
" cage covers with direc's	1	5	30	2 "
" " n candy, covers or wire cloth.....		22	2 00	12 "
" " directions postp'd			15	
Dewey's Peet Cage compl'e	8	70	6 50	20 "
Benton cage complete.....	5	40	3 80	18 "
" " without candy	5	36	3 40	12 "
" " no cov'r,candy or wire cloth		20	1 80	8 "
" " covers printed		10	50	3 "
Queen-cell protector.....		15	1 00	2 "
Klimitz Queen-catcher.....	10	80	7 50	12 "

By mail add 1 cent for each ounce in weight and one cent extra on each package for packing.

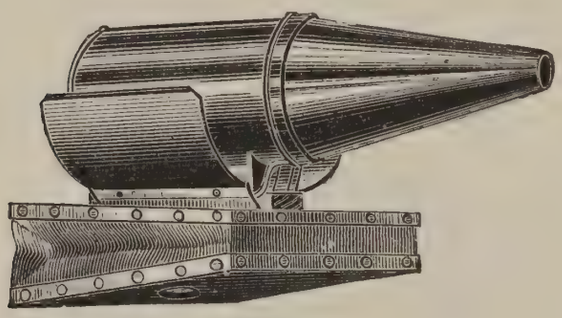
Clark's Cold Blast Smoker.



Clark's Cold Blast, by mail.....$ 70
" " with other goods or by express 50
" " crate of five.....2 00

We have sold several kinds of Smokers heretofore, but our experience has proved that for a cheap Smoker the Clark is the best, and of the better and higher priced ones the Bingham is superior to all others.

Bingham Smoker.



PRICE LIST OF BINGHAM SMOKERS.

Name.	Size of Barrel.	Price Each—By Mail	Price Each—Freight or Exp.	Per Dozen.
Doctor	3½ in.	$2 00	$1 75	$14 00
Conqueror	3 "	1 75	1 50	13 00
Large	2½ "	1 50	1 25	11 00
Extra	2 "	1 25	1 00	9 50
Plain	2 "	1 00	80	8 00
Little Wonder	1¾ "	65	50	5 00

We will furnish ½ dozen of any one size at dozen rates.

Veils to Protect the Face.

Our veils each contain 1½ yards of the best material for the purpose. They are well made, with rubber cord in the top to fit around the hat, and the lower edge is bound with ribbon to prevent fraying. Three kinds of material is used. The adjoining cut shows the silk and cotton tulle, or Brussels net, as it is sometimes called. The silk tulle before the eyes is as near invisible as any thing made, and it is also strong, and will wear well. Mosquito-bar is used in cheap veils.

A veil made entirely of silk tulle weighs only a fraction of an ounce, can be put in the vest pocket, and is the coolest and easiest veil of all to wear.

PRICE LIST OF VEILS.

No 1	Veil, made entirely of silk tulle	each,	$1 20
2	" cotton tulle with silk tulle face	"	60
3	" musquito-bar with silk tulle face	"	40
4	" " " throughout	"	25
5	" cotton tulle throughout	"	50

Five-Bar Bee Veil.

Has 5 cross bars *riveted* through the center at the top. These button to studs on the neckband. The bars are light spring steel; the neck band is of hard spring brass, and the cover is of handsome, light material. It is very easily put together—no trouble to put on or take off. It protects against mosquitos, flies, bees, gnats, etc. The veil weighs only 5 ounces.

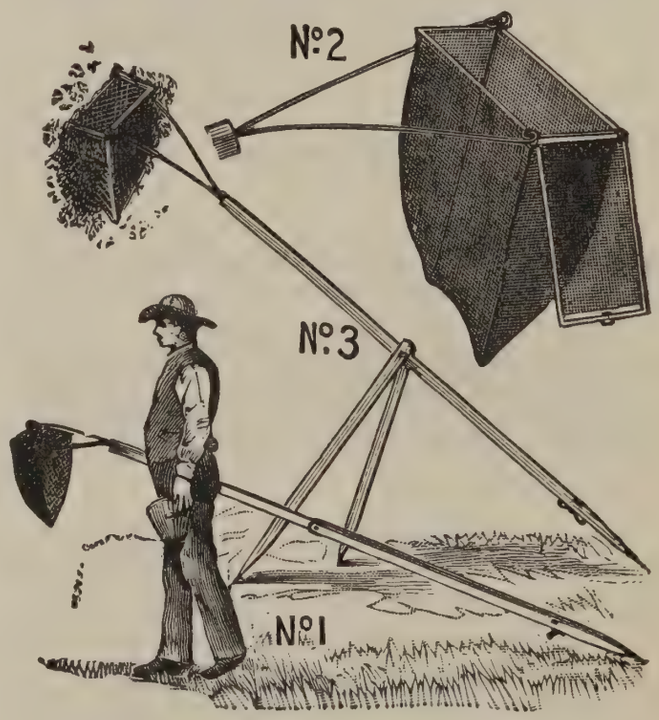
Price,..... $1 00

Gloves, Rubber.

Postage.		Price.
5c	Ladies' sizes, 6, 7, 8 and 9	$1 35
5c	Gents' sizes, 10, 11 and 12	1 45
10c	Extra long driving, Nos. 13 and 14	2 00

To insure getting proper size, mark outline of hand on sheet of paper. If you order by number, order two sizes larger than you require in kid.

Manum's Swarming Device.



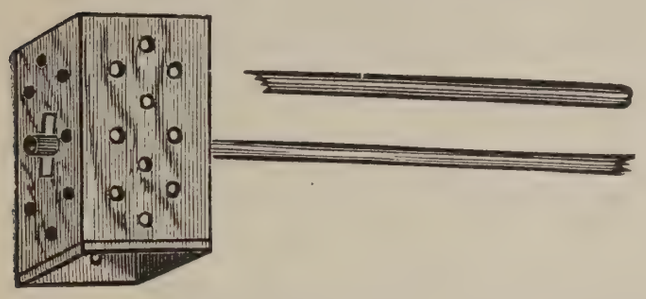
This is a most complete swarming device. As cut shows it consists of a wire basket fastened to a pole which is held in position by a tripod. To hive a swarm, place the open basket under the cluster of Bees so that when they are shaken from their position they will fall in basket; close the lid and as most of the Bees will be inside they can be carried and emptied into Hive.

This swarmer is light, conveniently carried and will reach a swarm 20 feet from the ground. The tripod holds the basket in posi-

tion, allowing the Bee-keeper to do any other necessary work, a feature that will be appreciated.

Price complete.....$1 00
Wire basket with bail..... 75

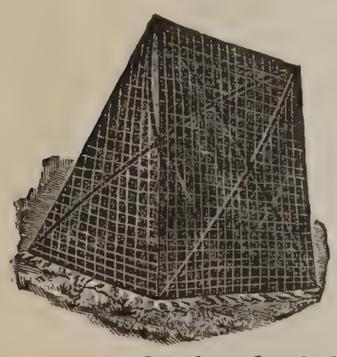
Swarming or Hiving Box.



For taking swarms down from trees, or other places where they may chance to cluster. Simply hold the box in the cluster, or where the Bees are clustering, and they will crawl into it at once, and may then be carried where you choose and shaken in front of the Hive.

Price, with pole, all complete, neatly painted, and bound with iron to prevent splitting.....$ 75
In the flat..... 50
Without pole, less..... 10
The box, in flat, by mail, postpaid..... 90

Tent for Setting Over a Hive.

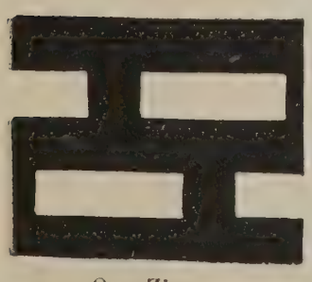


With this the work of transferring, introducing queens etc., can be done at a time when robbing would prevent such work if attempted without some such means of protection.

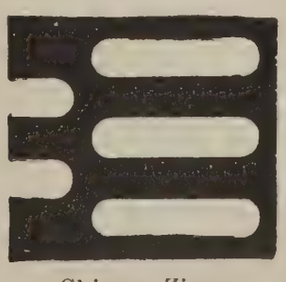
The frame and material is light and folds up compactly. Weight 6 pounds. Dimensions on ground 5 feet by 5 feet and 5 feet high.

Price.....$1 50

Perforated Zinc for Excluding Drones and Queens.



Our Zinc.



Chicago Zinc.

This is used between the upper and lower stories, to prevent the Queens from going up above. It is also used in entrance-guards, for queen and drone-traps, etc.

We are now furnishing zinc with perforations 17 100 wide, this being the size that experience has shown will give best results.

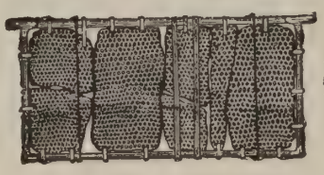
Chicago zinc has smaller perforations. It is used but little.

PRICE LIST OF PERFORATED ZINC.

Zinc strips, 1 row holes, ¾x18 to 19⅛ in. $1.00 per 100
Zinc sheets perforated solid, 28x96..... 1.40 each
Chicago zinc in sheets 28x96..... 2.00 "

Less than a sheet our zinc, 10 cents per foot. Chicago zinc, 15 cents per foot. By mail 10 cents per foot extra. Zinc strips may be sent by mail for 1 cent each for postage. Honey-boards of Chicago zinc, either tin or wood bound, 14 x 19⅛, will be $2.20 for 10.

Transferring Implements.



Price per	100	1000
Transfer'g clasps.	15	$1 25
" wires..	25	2 00

Postage per 100 on wires or clasps 10 cents.

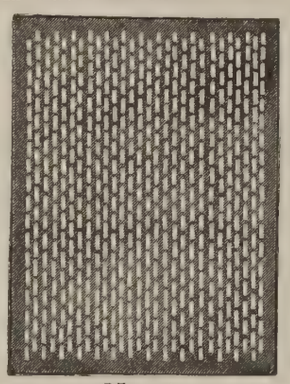
Honey Boards.

These are used for purpose of excluding Queens from upper story. They will also prevent building of burr-combs, but if thick-top brood frames are used as described elsewhere it will not be necessary to use a honey board for the purpose.

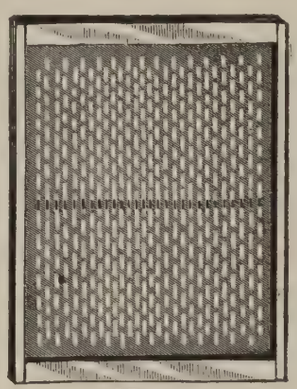
The perforations in honey boards are same as in full sheets 17-100 wide.

No. 1 is a sheet of zinc with unperforated margin. The center being perforated same as full sized sheets.

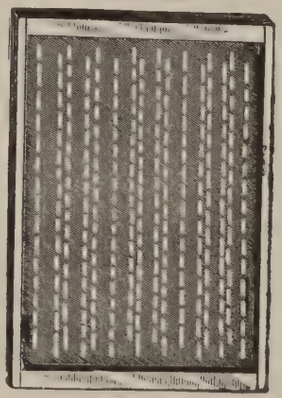
No. 2 has a wood binding giving a bee space on both sides.



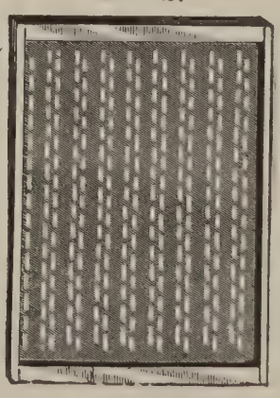
No. 1.



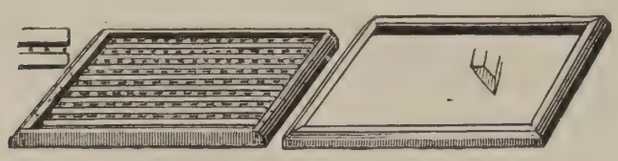
No. 2.



No. 3.



No. 4.



No. 5.

TABLE OF PRICES OF HONEY-BOARDS.

No.	Name and Des.	Weight	Size in Inches.	Price. 1	10
1	Unbound zinc honey-board.....	15 oz.	14 x19⅛	15	$1 40
11	8-frame unbound zinc honey-board.	13 oz.	12 x19⅛	15	1 20
2	Wood-bound zinc honey-board.....	16 oz.	14⅛x19⅛	18	1 70
3	Wood-bound zinc 10-frame break-joint.....	18 oz.	14⅛x19⅛	20	1 80
4	Wood-bound zinc 9-frame break-joint.....	19 oz.	14⅛x19⅛	20	1 80
5	Slatted wood-zinc, 10-frame.....	22 oz.	14⅛x19⅛	20	2 00
6	Slatted wood, 10-fr.	16 oz.	14⅛x19⅛	12	1 00
7	8-frame Dovetailed slatted wood.....	15 oz.	13⅞x20	12	1 00
8	10-frame Dovetai'd slatted-wood.....	17 oz.	16 x20	12	1 00
9	8-frame Dovetailed slatted wood-zinc	19 oz.	13⅞x20	22	2 00
10	10-frame Dovetai'd slatted wood-zinc	23 oz.	16 x20	22	2 00
12	10-frame Dovetai'd slatted wood-zinc	22 oz.	16 x20	22	1 80
13	8-frame Dovetailed slatted wood zinc	20 oz.	13⅞x20	20	1 60

Nos. 2 to 6 inclusive have a bee-space on both sides.

The last 6 honey-boards have only one bee-space.

All but Nos. 6, 7 and 8 are queen-excluding.

All but Nos. 1, 2, 11, 12 and 13 are break-joint.

Nos. 1 to 6 are for Simplicity, Chaff and Portico 10-fr. Hives.

The last 6 honey-boards are all for the Dovetailed Hives or other square-joint Hives of the same size.

Nos, 1 to 6 and No. 11 are used inside of the Hive—the edge does not come to the weather.

The last 5 honey-boards come to the outside of the Hive.

Nos. 5 to 10, in flat, 1 cent each less.

Any of the above, in lots of 50 or more, 5 per cent off.

If ordering by mail, send 1 cent for each ounce in weight, for postage, and 5 cents extra for packing and postage on same.

We will furnish odd sized honey-boards at a small additional cost. Prices given upon application.

Extractors.

Our Honey Extractors are made of one sheet of IXX tin, and with a honey gate at the bottom, 1½ inch in diameter. The cans are deeper and the revolving basket is set lower in the Extractor, which prevent the honey from flying over the top edge.

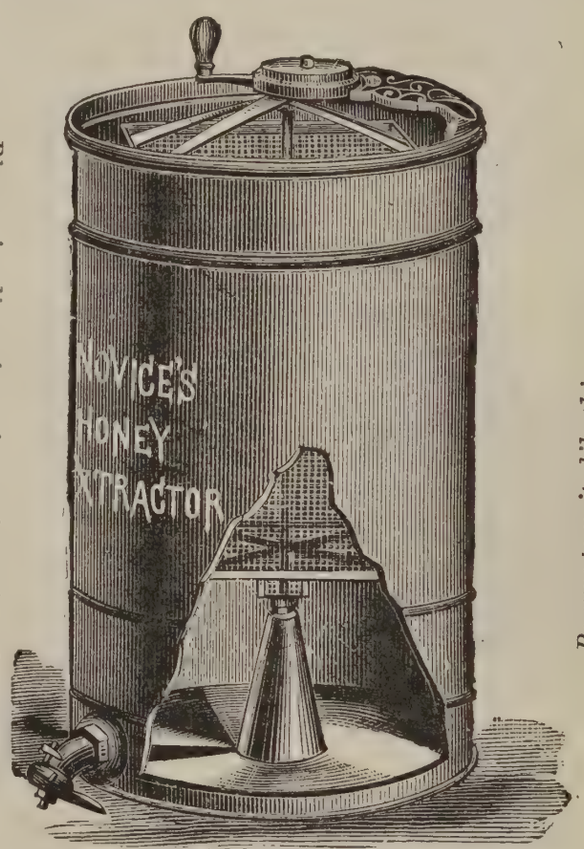
We, heretofore, have furnished ten different sizes, but now have reduced the number to four.

All frames, not over 14 inches under the top bar, outside measure, or not more than 13 inches deep, outside measure, may be used in the No. 4, but hang in the same position in which they hang in the Hive. In giving order, be sure to give the size of the frame, outside measure, and the length of the top bar, which will enable us to adjust and fasten the bearings, on which the frame hangs, the proper distance apart.

The No. 5 is make specially for Simplicity (Langstroth) frame, standing on end; also two larger sizes, Nos. 7 and 10, for using larger frames.

The can for the No. 5 Extractor is 17 inches in diameter and the other cans are 20 inches in diameter.

The gearing on our Extractors is the Novice gear, shown in the cut.



Please give dimensions of your frame in ordering.

Be sure to write like this;
Depth..... Length.....
Top Bar, full length.....

THE ORIGINAL ALL-METAL HONEY-EXTRACTOR.

Over 10,000 now in use.

For 50 cents extra we can furnish the upright gearing, as shown in illustration of Extractor parts.

All these Extractors are made to take 25 lbs. of honey below the revolving frame, which necessitates their being used with honey gate open, and honey running into another vessel, as extracted. If larger space is desired, we can furnish them to hold any quantity, at a corresponding additional cost.

Our Extractors take two frames, but if a four frame Extractor is desired, we can furnish it; price given on application.

The Automatic Four Frame Extractor, how-

ever, is usually preferred where a four frame machine is required.

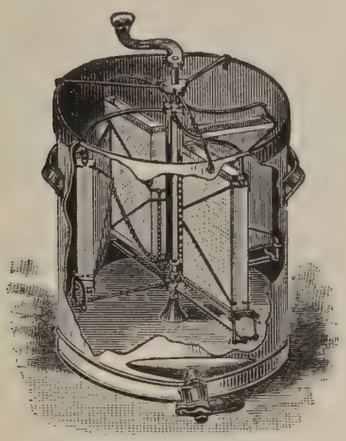
The Everett Gearing is same pattern as the the Novice, only heavier. They fit on cans 18 and 20 inches in diameter, and are the gears used on Extractors for four frames.

Each Extractor sent out has a cover made of cotton cloth, with rubber cord in the edge, also a cheese cloth strainer.

This same cover and strainer are furnished with the Dadant Uncapping Cans.

The Novice Extractors are painted two coats of coach black, varnished and lettered in gilt and bronze, and all inside material is tinned.

Stanley Automatic Honey Extractor.



These Extractors are very easily worked and will extract honey without doubt, more rapidly than any other machine, but owing to the high price, will hardly pay, unless one has a very large amount of extracting to do.

The frames have only to be placed in the Extractor once; by reversing the handle, the frames are turned, so that the honey is extracted, from both sides, without removing from the basket.

Two Frame Machine, L. size.....$12 00
Three " L. size..... 16 00
Four " L. size..... 20 00

The price will be furnished on application, for the Stanley Extractor to take frame larger than the Simplicity.

In ordering, a sample frame should be sent, so as to avoid any possibility of mistake.

PRICE LIST OF EXTRACTOR PARTS.

Postage.	Name and Description.	Price.
55	Novice Gearing, complete, 17 or 20 in.	$1 00
	This includes the arm, crank, wheel and pinion, also bottom bearing.	
	Upright Gearing complete, 17 or 20 in.....1.25	
	Everett Gearing complete, 18 or 22 in.....1.50	
40	Novice Supporting Arm, 17 or 20 in.....	50
15	Novice Crank Wheel.....	25
5	Novice Pinch Wheel.....	15
35	Honey Gate, tinned, 1½ in. bore.....	50
10	Handle to Honey Gate.....	15

Upright Gearing.

In ordering Honey Gate give size of hole. Our Extractors now have gates with 1½ inch hole, formerly 1⅛.

Revolving Basket with Novice gear and Honey Gate, complete..... 4 00
Hoop for top of can 17 or 20 in..... 50
Tinned Wire Cloth, 8c per sq. ft.: 10 ft... 70

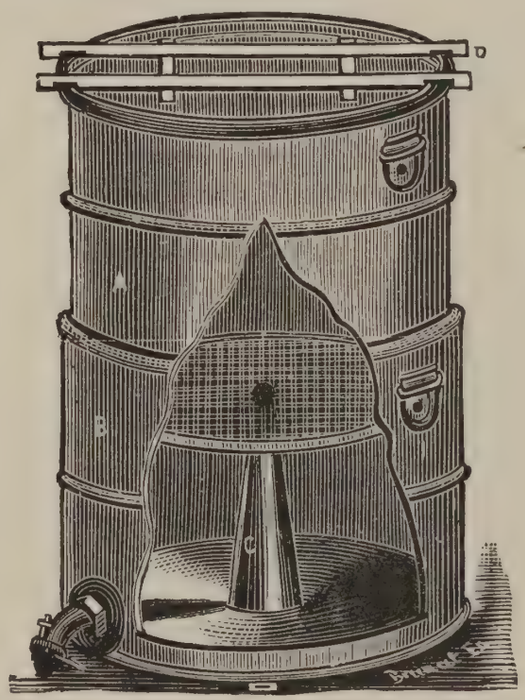
Postage 5 cents per foot. This is used in the basket for the comb to rest against, and is much better for the purpose than galvanized cloth.

Tin Plate, IXX, 20 x 56, 20 x 66, 27 x 56 and 27 x 66, for making extractors per pound 10

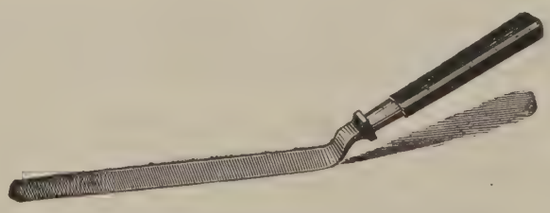
Can only, for Extractor, without any inside gearing, or Japanning. Weight, 25 to 30 lbs., crated..$4 00

Comb Basket, to be hung in Extractor, for broken pieces of comb and for section boxes. Price 25c.; by mail..... .35

Dadant's Uncapping Can.

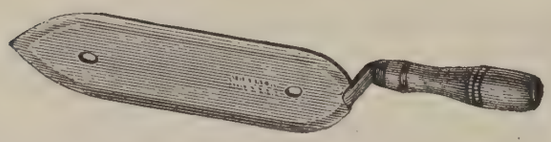


This is very convenient when much extracting is done. The caps fall on the wire screen, and the very finest honey drains from them, and is drawn off below. If a jet of steam is available, by directing it on the drained cappings, one hundred lbs. or more may be reduced into nice wax in a few minutes. Price, $6.00. They are finished like our Extractors.



"Novice" Honey Knife.

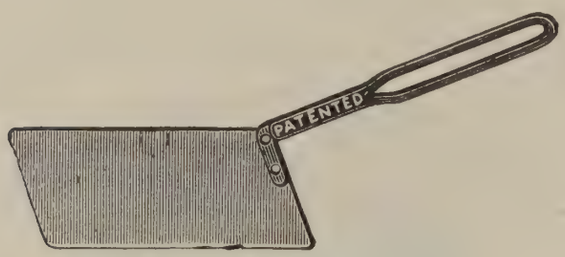
Quinby Knife.



Bingham & Heatherington Uncapping Knife.

Abbott Honey Knife.

This is an imported knife, and one that will give entire satisfaction.

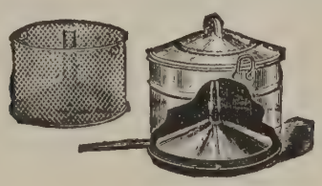


Ten Cent Honey Knife.

PRICE LIST OF HONEY KNIVES.

Postage.	Name.	Price.
10	Bingham honey knife	$1.00
5	Quinby honey knife	90
5	Novice honey knife	75
10	Abbott honey knife	70
5	Ten-cent honey knife	10

Swiss Wax Extractor.



Price $2 50

This Extractor is very simple. In using, place the refuse comb in the wire basket and place it inside the can, put on the cover and set the whole over a pan or kettle of boiling water.

The steam ascending around the basket melts the comb and the wax will flow from the tube. As the comb melts, replenish. This is all the attention the Extractor needs.

If you have no kettle, 12 inches across the top, inside, we can furnish a copper-bottomed steam generator for.....$1 00

D. A. Jones' New Wax Extractor.

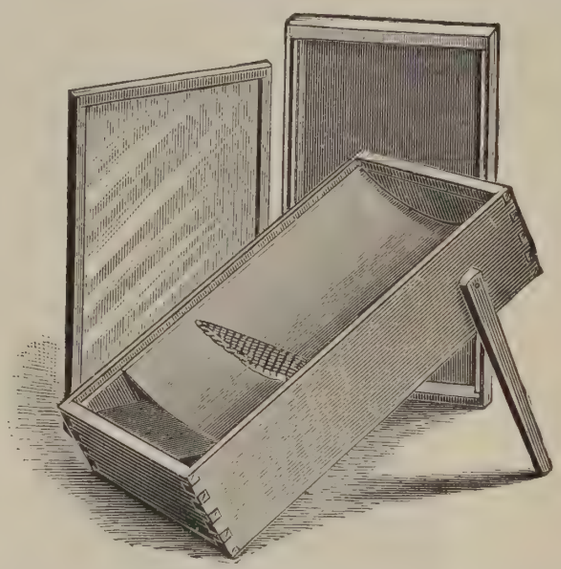
This machine is undoubtedly ahead of all others.

Price complete, including boiler.....$4 00

35-Cent Wax Extractor.

This is simply an 8 quart dish-pan, with a 20 cent metal sieve set in it. To use it, pour water in the pan, put your comb in the sieve, and set the whole in the oven. As fast as the wax melts and falls in the water put more in the sieve.

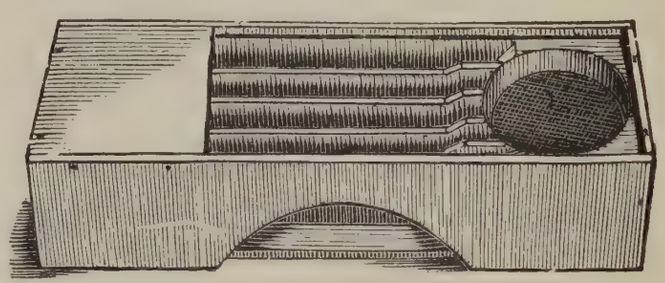
The Doolittle Solar Wax Extractor.



With this, the sun supplies sufficient heat to render the wax, at the same time bleaching it and making it of No. 1 quality.

Price.....$3 00

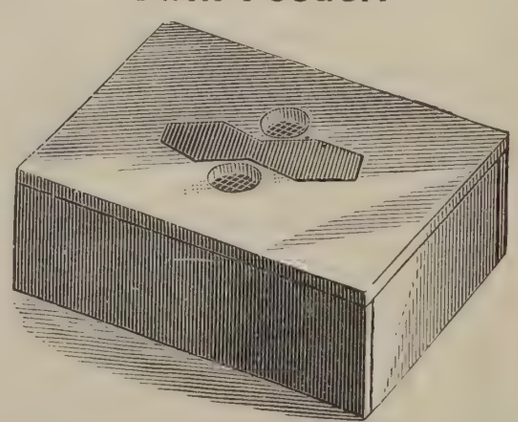
Gray's Covered Simplicity Feeder.



Made up, complete.....each, 15c
Made up, complete, in lots of 10..... " 12
Made up, complete, in lots of 100.... " 11

If painted 5c more each, by mail 15c more each.

Twin Feeder.

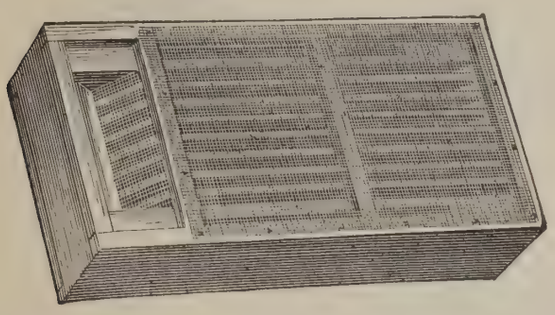


Feeds under the cushion, directly over the

cluster. No loss of heat, easily filled and holds over a pint.

Each.....$ 20
By mail..... 35
Ten for..... 1 80

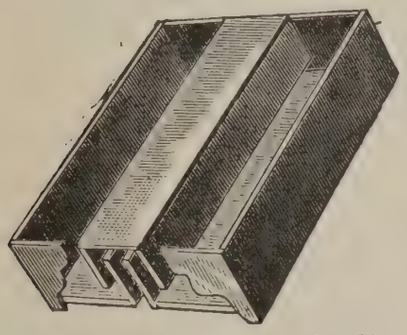
Page Feeder.



This is one of the best feeders for feeding over the brood nest. It is made from a solid block of wood and is covered with wire cloth. It has a Bee space under bottom and also at top between wire cloth and top of partitions. Bees cannot escape while feeder is being filled. A small hole cut in mat and feeder set over same will be found a convenient way of using it, but can be used in many ways.

Each, nailed up complete..... 20
In lots of ten, each..... 18
By mail, extra..... 25

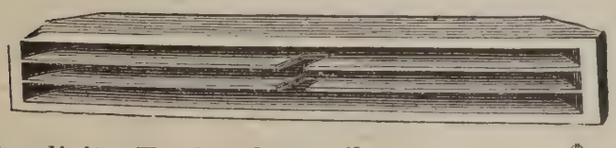
Miller's Feeder.



This is a superior feeder for feeding colonies their winter stores. It sets on the Hive in the same space occupied by a T super. It measures 12 x 18½ x 4½, and will hold about 25 lbs. of syrup. When set on the Hive it effectually shuts all Bees beneath it, and they enter it from the center of the cluster. The syrup is poured in on either or both sides. After filling put a chaff cushion over it.

Each, nailed up, complete.....$ 25
Each, in flat..... 15
In lots of 10..... 1 30
In lots of 100.....12 00

Simplicity Feeder.



Simplicity Feeder, by mail.....$ 10
Simplicity Feeder, in lots of ten..... 30
Simplicity Feeder, in lots of 100..... 2 50

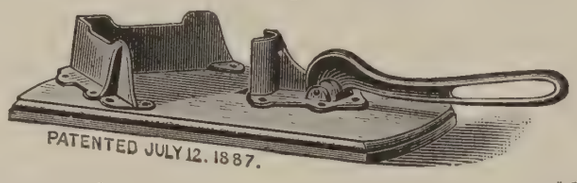
The Simplicity Hive Opener.

This is an extremely handy tool in the Apiary. When bodies and covers are propolised together it is difficult to separate them and especially so without jarring and disturbing the Bees. With this opener it can be done easily, quickly and without annoyance to the colony. It is light and can be carried around the yard when engaged in examining swarms As it is adjustable it can be used on any Hive that has hand holes.

The cut shows its construction.

Price each.....$ 25
Price of ten..... 2 00
Price each by mail..... 40

Wakeman & Crocker's Machine for Constructing Honey Boxes.



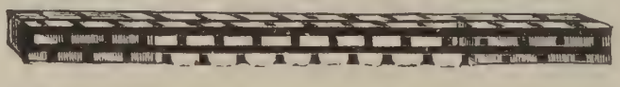
Price, each.....$2 00

Fountain Pump or Sprinkler.

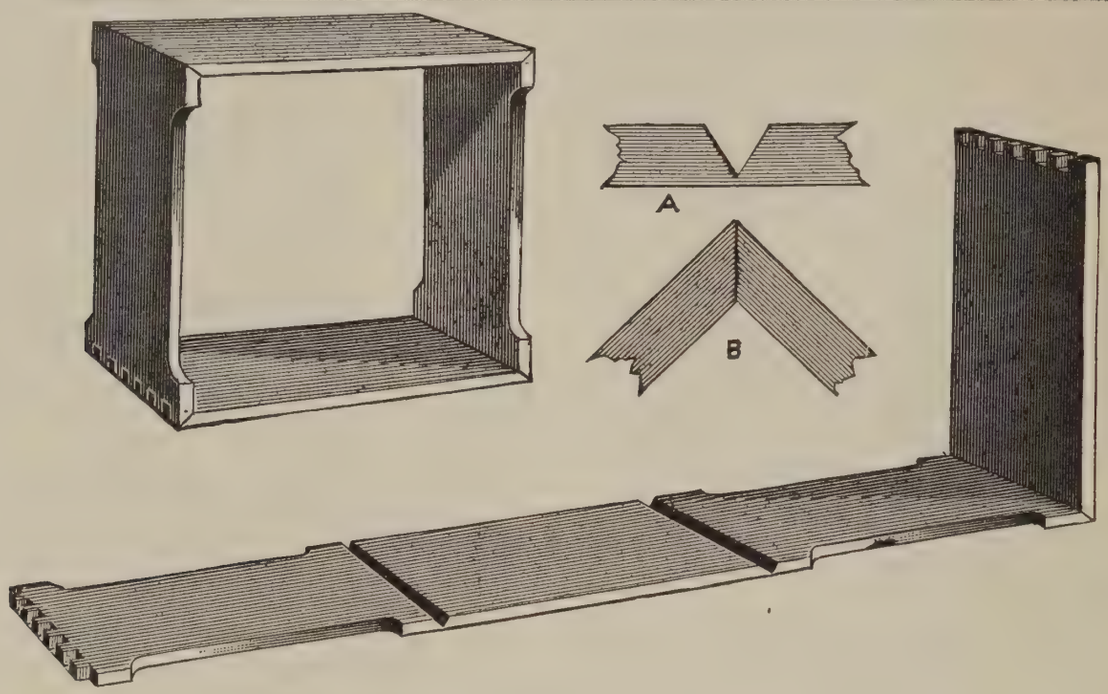
This pump is made of tin and is very convenient for sprinkling a garden or a colony of Bees. There are three different nozzles, one for a small stream, one for a large stream and one for spray.

Price, each.....$1 00
In lots of two..... 1 90
In lots of three..... 2 75
In lots of twelve..... 9 00

Bee Entrance Guards.



These are to admit workers, but exclude drones. After the drones are all out fix the guards over the entrance, and at night the drones can be destroyed. Price 5c. By mail 7c., 10 for 45c., or $4.00 per hundred.



One-Piece "V" Grooved Sections.

Our one-piece sections are all machine planed on outside and the inside left smooth as a planer saw will do the work. Machine planed sections make them all of an even thickness, which is not the case with sections finished with a saw only. Objection is sometimes made to sections machine planed on inside as being too smooth to fasten foundation to readily. While the planer sawed surface for inside is smooth enough for looks, the foundation fastens to it better than if machine finished.

We manufacture two styles of sections, one with curved insets for opening top and bottom, which is perhaps the best looking and most popular. The other has full opening top and bottom and admits of glassing. A full opening can be cut on all sized sections.

Will put sections in boxes containing 500 or 1000 as desired. The boxes containing 1000 are so made that by sawing four cleats ½ x 2½ two boxes of 500 each are obtained without repacking, and if to be reshipped one or two cleats only will have to be put across to hold sections in. This box is very strongly constructed, and is well adapted for foreign or long shipments.

Sample section by mail free.

Sections 4¼ x 4¼, one piece, per 500....$1 75
Sections 4¼ x 4¼, one piece, per 1000.... 3 50
3000 or over, per 1000..... 3 00

If parties wanting ten thousand sections or over will write, stating quantity wanted, we will be pleased to quote special prices.

Sections 4¼ x 4¼, in other than whole packages of 500 each, will be per 100... 50

Closed top sections same price as open.

All other sized sections, up to 6 x 6, per one thousand..... 4 50
If ordering in less than 500 lots, per 100.. 60
Sections dovetailed all around, or plain to nail, extra per thousand..... 50

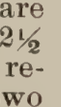
On any size above 6 x 6 we will name price on application.

Our sections are all made 1⅞ or 1 15-16 inches wide unless otherwise ordered. Sections made of any width, and at no extra charge.

We can make any size one piece sections the combined sides of which do not exceed 26 inches.

We cannot afford to make the odd size one piece sections in less than lots of one thousand.

We also make one piece sections with insets on four sides, if desired, at no extra charge. There are some who want sections as narrow as 1½ or 1⅜ inch; we can manufacture these, also any other width as stated above, and at no extra charge.

In ordering odd size sections, other than square, or when top and bottom are different length than sides, state how they go in hive thus,  or thus, and always give width of sections. By observing some of these points it will often avoid vexatious delays caused by having to write for more explicit explanations.

Pasteboard Boxes or Cartons.

Bee-keepers are realizing more and more the value of these cartons for putting their comb honey in marketable shape. Other articles of home consumption are put up in a neat attractive way, and in shape to be handed to the customer, and carried safely without wrapping. Why not sections of comb honey, especially when the cost of boxes is so low?

TABLE OF PRICES OF ONE LB. SECTION CARTONS.

Name.	Price. 1	25	100	500	1000
1-lb. carton, plain	2	20	$ 60	$2 75	$ 5 00
1-lb. carton, printed one side name and address	.....	.....	90	3 50	6 00
1-lb. carton, printed on both sides name and address	.....	.....	1 00	3 75	6 50
1-lb. carton, with lithograph label one side	3	30	1 00	4 50	8 50
1-lb. carton, with lithograph label on both si'es	3	40	1 30	6 25	12 00
1-lb. carton, with lithograph label one side, name printed	..	.....	1 30	5 25	9 50
1-lb. carton, with lithograph label printed with name both sides	.....	.....	1 70	7 25	13 50
Lithograph labels, 2 designs, for 1-lb cartons	.....	.....	35	1 60	3 00

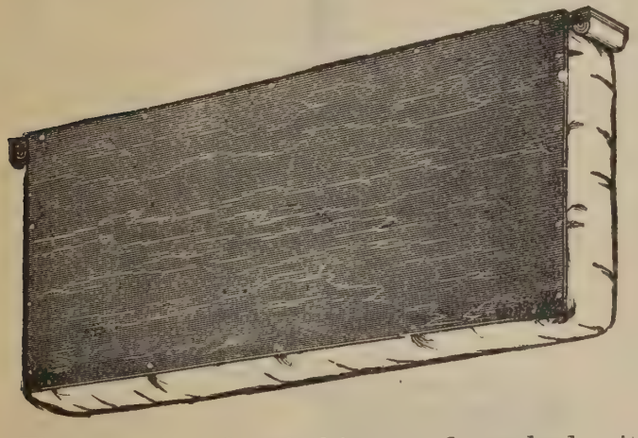
If sent by mail, postage will be 2 cents each; or in lots of 25 or more, 1 cent each. All the above have tape handles. Price, without tape handles, 5 cents per 100, or 75 cents per 1000 less. These boxes are made of straw board plated outside. If made of thick card board, finished on both sides the price will be 50 cents per 1000 extra. If more than 1000 are wanted write for prices.

Chaff Cushions.

These are made of Burlap.

Complete, without chaff.....$ 15
In lots of ten, each..... 13

Chaff Cushion Division Boards.



These are made of thin wood, packed with chaff, and have cloth cushions, bottom and ends, that they may fit closely in the hive, and be easily removed.

Chaff Cushions, each.....$ 20
Chaff Cushions, per 100..... 17.50
Chaff Cushions, in flat, each..... 10
Chaff Cushions, in flat, per 100..... 9.00

Plain Division Boards —No Chaff.

Complete, ready for use..... 10
In the flat..... 08
In lots of twenty-five or more..... 06

Duck.

For covering frames and for feeders, 29 inches wide, per yard.....$ 15
Ten yards..... 1.25

Enameled Cloth.

Enameled Cloth, 45 inches wide, per yard 23
Enameled Cloth, whole piece, 12 yards.. 2.50

Tin-Bound Sheets of Enam. Cloth.

Tin-bound sheets enameled Cloth.....$ 10
Tin-bound sheets enameled Cloth, lots of 10..... 80

Rabbets for Hives.

Simplicity size, each..... 01
Simplicity size, per 100..... 1.00
Odd size, per foot..... 01

Price List of Tin and Wood Separators.

	Inches Long.	Price of 100	500	Wght of 100
Tin Separators for 8 and 4 section wide frames	17⅝	$1.60	$7.50	25 lbs
Tin Separators for 6 and 3 section wide frames	13⅜	1.20	5.50	18 "
Tin Separators for section holders	17⅞	1.60	7.50	25 " 25 "
Tin Separators for T supers.	17¼	1.60	7.50	25 "
" " " combined crates	17	1.60	7.50	25 "
Wood Sepat'rs, sliced, 17 or	17¼	.30	1.25	5 "
" " " 18 to	20	.35	1.50	5 "
" " sawed and planed both sides, of any of above sizes		.50	4.50	

Tin.

	1 Sheet.	Price Box.	Sheets in Box.	Wt. of Tin.
IC Coke 14 x 20	7c	$6.50	112	108 lbs
IX Charcoal 14 x 20	9c	8.50	112	135 ,,
IC Coke 12 x 24	8c	7.25	112	110 ,,
IC Terne Plate 18 x 22	9c	8.75	112	155 ,,

Either of the first two in double size sheets (28x20) double price. IC coke tin used for separators, T tins, honey-cans, etc.; IX charcoal tin for metal rabbets, extractors, etc.

12x24 is used for chaff hive roofs, and 18x22 for Simplicity hive roofs and separators.

We usually ship tin from our factory, but if ordered alone or in any considerable quantity, we ship direct from either New York or Philadelphia.

Tin Points for Honey Boxes.

Per thousand.....$0 25
Ten thousand..... 2 00
By mail, per thousand, extra..... 06

Comb Foundation.

We have had years of experience in the making of foundation, and have yet to hear of any complaint being made of any we have ever sent out; but, on the contrary, have quantities of unsolicited testimonials of its superior excellence.

THE "FALCON" BRAND.

We use only the better grades of pure Beeswax, and before making into foundation it is entirely cleansed *of all foreign substances.*

We have several machines, especially constructed, for making the following kinds: *Standard Brood*, running about 5 ft. to the lb.; *Light Standard*, running about 6 ft. to the lb.; *Extra Light Standard for Wiring*, about 8 ft. to the lb.; *Light Section*, for Surplus Honey, running about 10 ft. to the lb.; *Extra Light Section*, running about 11 ft. to the lb.

The following sized sheets of Brood Foundation are kept in stock: 8x16½, 8⅝x17⅛, 12x18, 7½x16½. But any sized sheets will be furnished at no additional charge.

Section Foundation will be cut in any width strips under six inches, and about twenty inches in length.

Flat Bottom Foundation No. 2, has fine wire inserted. Only size we keep in stock is for Simplicity frames.

Flat Bottom Foundation No. 3, has high sharp side walls. We keep it in stock in sheets, 17x30.

Our prices of Flat Bottom Foundation are always uniform with the manufacturers of this Foundation.

Prices subject to change without notice.

Samples mailed free,

Price per Pound.

Grade.	Sq. ft. per lb.	1 lb.	10 lbs.	25 lbs.	50 lbs.	100 lbs.
Standard Brood	4 to 5	45	44	43	42	41
Light Stand Brood	5 to 6	45	44	43	42	41
ExtraLightStand.Brood	7 to 8	48	47	46	45	44
Light Section	10 to 11	55	54	53	52	51
Extra Light Section	11 to 12	65	64	63	62	61
Van Dusen Flat Bottom No. 2.	5 to 6	55	55	53	50	50
Van Dusen Flat Bottom No. 3.	11 to 12	55	55	53	50	50

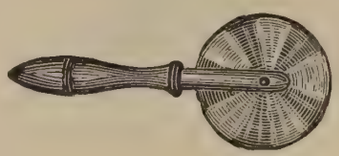
For larger quantities write for prices.

If foundation is wanted by mail, add 25c per lb. up to 2 lbs., and 20c a lb. over 2 lbs.

Unless going a very long distance, it will doubtless be cheaper to send by express rather than by mail.

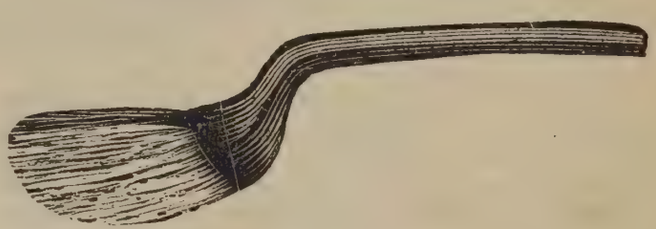
Parties ordering can depend upon onr prices being as low as any manufacturer or dealer, having a reputation for sending out first-class goods. Parties wishing wax worked into foundation will please write us naming quantity of wax they have and into what grade of foundation they wish it made, and we will name prices accordingly, and also state what we can pay for the wax and furnish foundation in payment.

Carlin's Foundation Cutter.



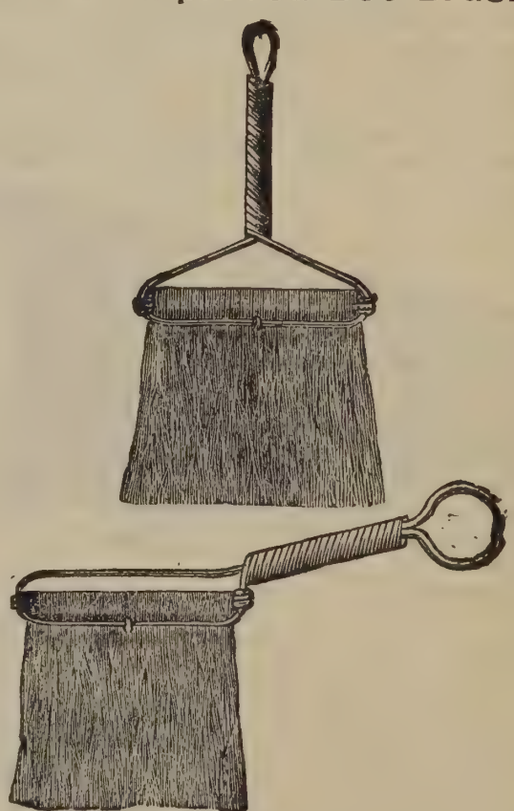
With tin wheel. . .	$ 10
By mail ex. each.	02
With steel wheel.	50
By mail, ex. each.	02

Yucca Bee Brush—For Brushing Bees off the Combs.



Price, each	$ 05
Price of 10	30
Price of 100	2.50
By mail, extra each	02

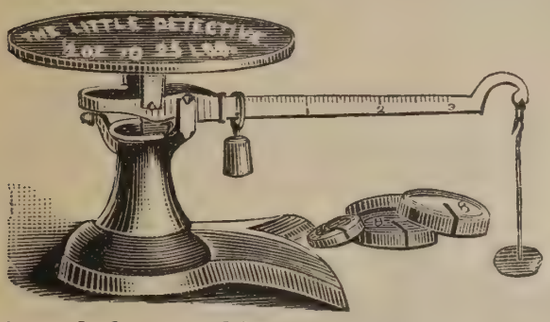
Davis' Improved Bee Brush.



These have a galvanized iron wire handle, and are much more serviceable.

Price, each	$ 10
Price of 10	95
Price of 100	9 00
By mail, extra, each	03

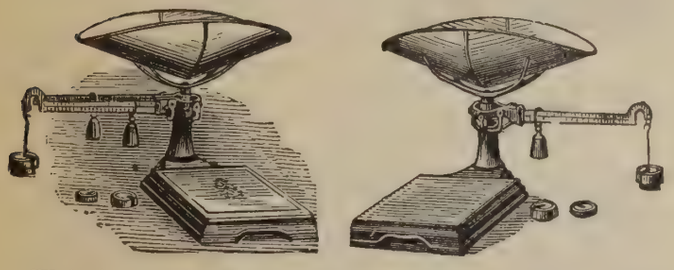
Scales—The Little Detective.



This scale has steel bearings and brass beam, and weighs accurately ¼ ounce to 25 lbs. Every scale guaranteed.

Price, each.....$2 00
Two scales..... 3 80
Three scales..... 5 40
Five scales or more, each..... 1 75
With scoop, extra..... 50

240 Pound Scale.



This is a similar scale to the "Little Detective," only larger, and has a platform and scoop. It is made with steel bearings, and has a capacity of ½ ounce to 240 pounds.

Price.....$3 25
Two scales..... 6 00

240 Pound Double Beam Scale.

This is same, only has a double beam for taking tare.

Price.....$3 75
Two scales..... 7 00

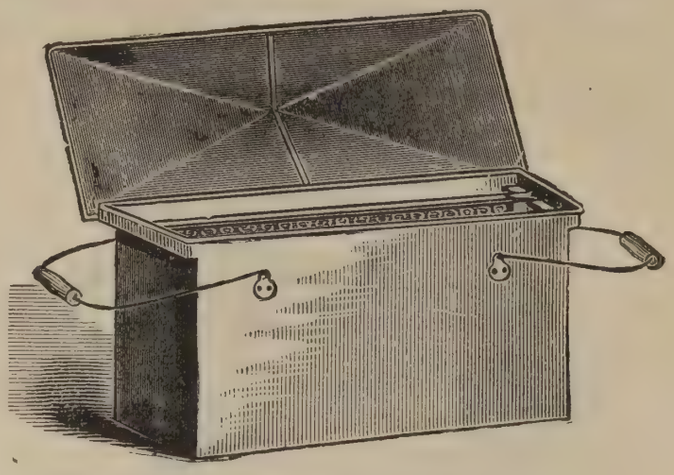
If several scales are wanted we will name price accordingly.

Comb-Holder.

This is for hooking over the edge of a Simplicity Hive to hang frames upon when taken from the Hive for any purpose, and will be found very convenient.

Price, each.....$ 25
For other than Simplicity frames, each... 35
By mail, extra, each..... 10

Comb Bucket.

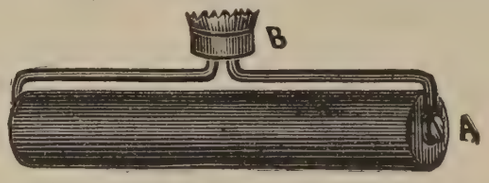


Holds 5 frames secure from dust or robber and catches all the drip.

Price for Simplicity frames.....$1 25
Will make to order, for other frames for. 1 50

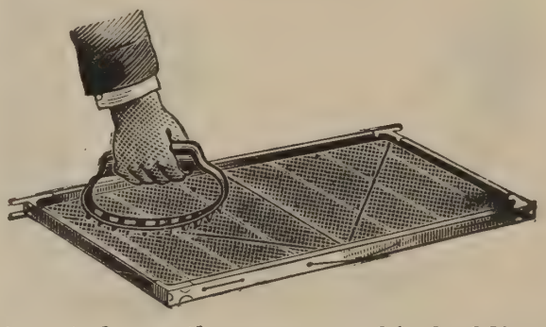
Blood's Roller.

For putting foundation into wired frames.



Price, each.....$ 10
By mail, additional, each..... 05

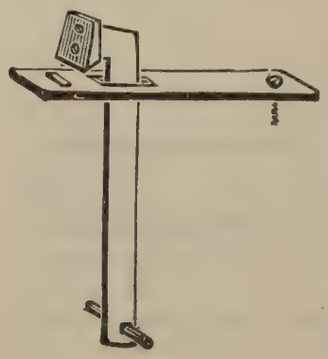
Wire Imbedder.



This cut shows the manner of imbedding the wire in the foundation.

Price, each.....$ 15
By mail, additional, each..... 05

Clark's Starter Machine.

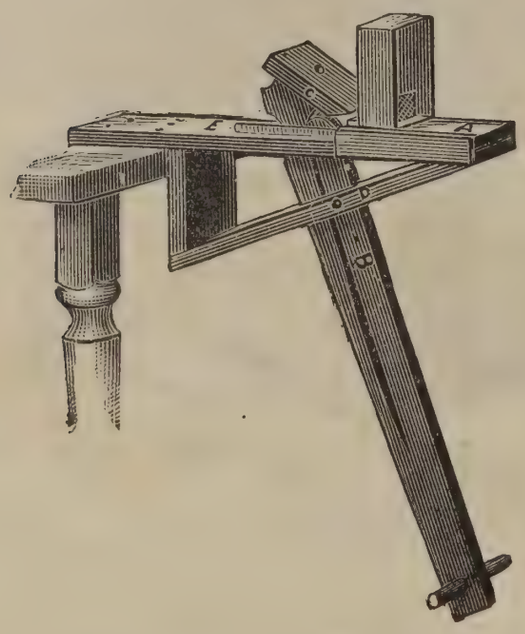


This machine is worked by the foot leaving the hands at liberty. The cut illustrates how the machine works.

Price, 4¼ x 4¼ section.....$ 40
Other than 4¼ x 4¼ section..... 50

On orders for 10 machines, 25 per cent. less.

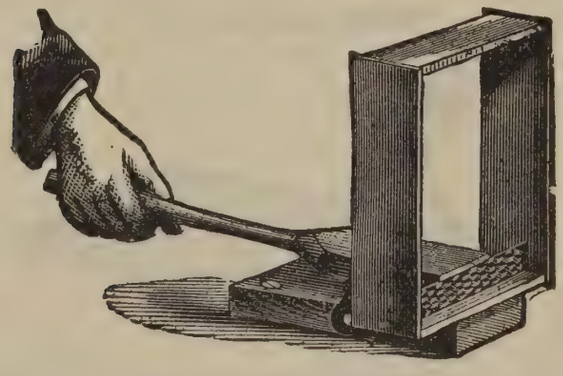
Gray's Machine For Fastening Foundation into Sections.



This machine is more complete than the Clark, as the treadle pushes the section out automatically.

Price, each.....$ 75
Price of 10..... 6 00

Parker's Machine for Fastening Starters in Section Boxes.



The illustration shows how it is used.

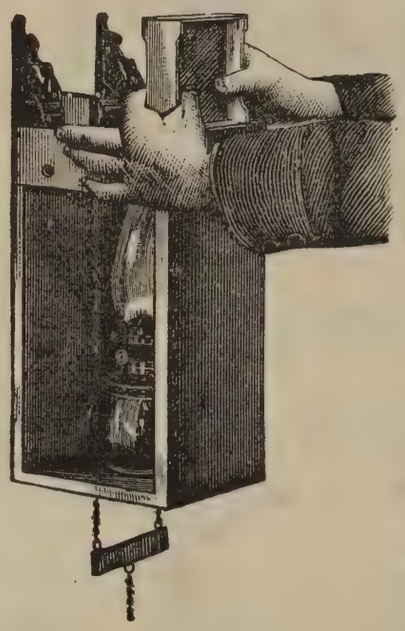
Price, for 4¼ x 4¼ section.....$ 25
By mail, additional, each..... 15
For other than 4¼ x 4¼ section..... 35
By mail, additional, each..... 25

Iron Gauge Frames.

Iron frames to gauge size of Simplicity Hives, and to hold them true when nailing, size 20¼ x 16 inside (*a pair* of these are needed to nail the Simplicity Hives conveniently).

Price, each.....$ 35
Price, per pair..... 70
Price of 10..... 3 00

The Arthur C. Miller Automatic Foundation Fastener.



This is one of the most practical and complete inventions for use of bee-keepers that has been made. It does away with the necessity of working in a warm room, as is the case with other fasteners, all of which require the foundation to be of proper temperature to work satisfactorily.

The illustration does not very well show its construction. The machine is fastened to the wall at a convenient height. Immediately above the lamp is an iron plate, kept hot by the lamp and operated by a treadle at the lower end of the small chain. By pressing down on the treadle the iron plate is brought down exactly along the center of the section in a perfectly straight line and the moment this hot iron strikes the foundation, it melts its edge and firmly attaches it to the section, only enough wax being melted to fasten the foundation securely. The machine works automatically, so that the foundation does not have to be held in center.

For putting in full sheets this machine is especially useful, as it works with the greatest precision.

In using, care should be taken to hold the foundation a little beyond the center toward the iron plate, as the plate automatically pushes it to the center melts its edge and fastens it all at one and the same time.

Below is a testimonial of Mr. L. C. Root, of Stamford, Conn., who is one of the most practical and best known bee-keepers:

GENTLEMEN: After thorough examination and tests of your machine for fastening comb foundation in section boxes, I am convinced that it is far superior to any yet in use. I predict that for intelligent practical bee-keepers this will prove to be a most valuable invention. It does its work rapidly, neatly and perfectly. Respectfully yours,

L. C. ROOT.

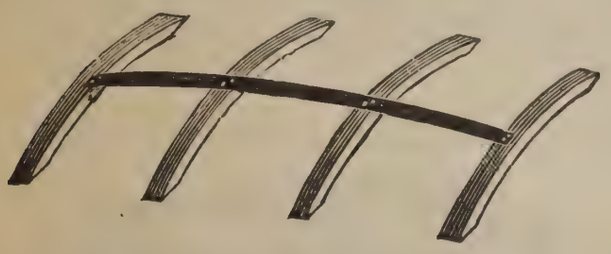
Stamford, Conn., Jan. 18, 1890.

We are the sole manufacturers of this machine.

Price, complete, with lamp, ready to fasten to wall, each.....$1 00

For large quantities prices will be given upon application.

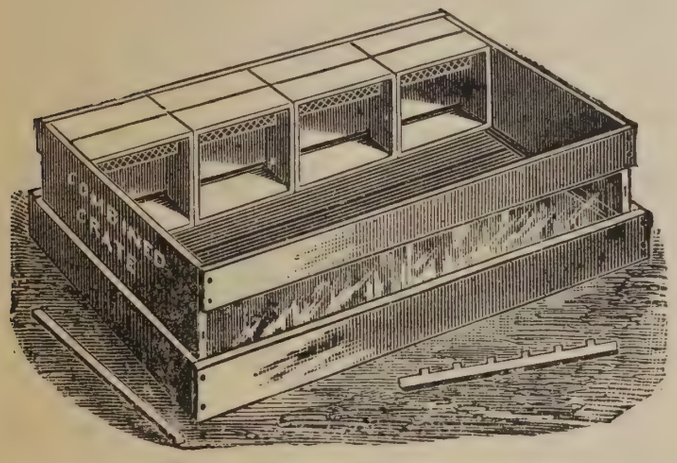
Hill's Device for Covering Frames in Winter.



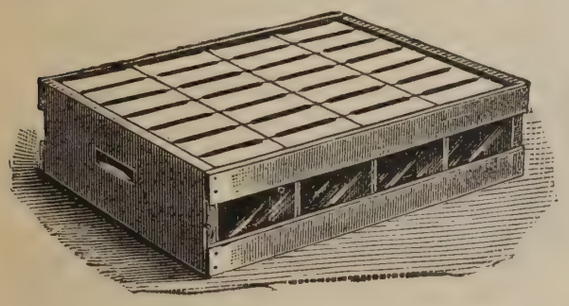
The above is placed over the frames and under the cushions, and forms a chamber for the Bees to cluster in, and permits them to pass freely from one comb to another, even during a severe freeze.

Price, each	$ 05
Price of 10	45
Price of 100	4 00
In the flat, per 100	3 50
By mail, additional, each	05

Combined Shipping and Honey Crate—Old Style.



Combined Crate—New Style.

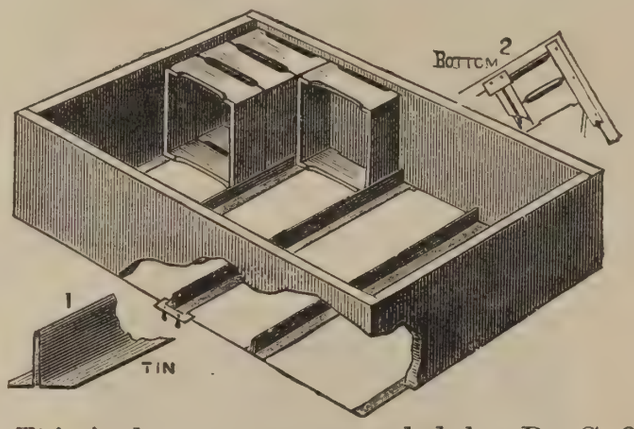


We make two styles of combined crate. The first one illustrated is our old style, and is adapted specially for the story-and-half Hive, it being too long to go inside a Simplicity body. The second illustration shows a crate that will tier up inside a Simplicity body, or can be used on the story-and-half Hive.

We make these crates to take glass both sides and with solid sides. Price same for either style, but we always send crate to take glass if kind is not stated in order.

The latter described crate or the T super, if used over brood frames with thick-top bars, and with Bee space between frame and crate or super, a honey board is unnecessary, but if not used as above a honey board will be necessary to prevent the building of burr-combs.

The T Super for Tiering up inside the Simplicity Hive.



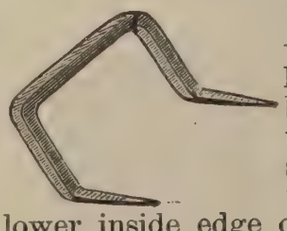
This is the one recommended by Dr. C. C. Miller and others. Its especial features are, that it permits the removal of all the filled sections at once, and will allow of any width of the 4¼ section. It is well adapted for tiering up, and may be used either with or without separators. This, can be tiered up inside the regular Simplicity bodies.

Prices of Crates and Supers.

DESCRIPTION.	Nailed Each.	In Flat— Each.	In Flat— Ten.	Weight of Ten.
Combined Crate, no glass	.20	.15	1.20	28 lbs.
Combided Crate, with sections	.40	.30	2.50	52 "
Combined Crate, with sections, starters and wood separators	.50	.40	3.30	55 "
T Super with T Tins	.20	.14	1.10	22 "
" " " sections	.40	.30	2.40	47 "
" " " sections starters and wood separators	.50	.40	3.20	50 "
Extra for tin instead of wood separators	.08	.08	.80	12 "

Prices of Combined Crates are same for either style.

Staples for T Tin Rests.



These are made of No. 16 wire, ⅞ wide, and about 1⅛ long. When you want no bee space at the bottom they are bent or folded as shown. The points are then driven upward in the lower inside edge of the super, where you want the T tin supported. the end of the staple reaches out for the tin to rest on. If you want a bee space below, use straight staples driven straight into the side a bee space (¼ in.) from the bottom edge.

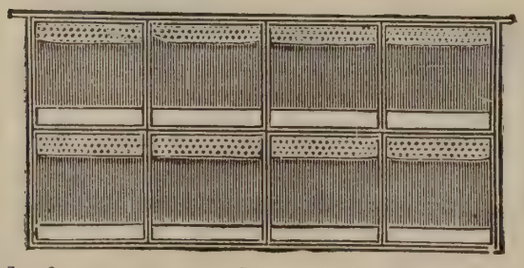
Price List of T Tins, Etc.

	Price of 100	Price of 1000	Weight of 100
T Tins, 12, 13½, 14 in. long or under	1.00	8.00	7 lbs.
T Tins, 16 in. and under, to 14 in. long	1.20	10.00	8 "
T Tins, over 16 and up to 20	1,50	12.50	10 "
Flat Tins, 14 in. and under, ⅝ wide	.40	3.50	3 "
Flat Tins, 14 to 20 in. long, ⅝ wide	.60	5.00	5 "

Bent staples, about 400 to lb., 3 oz., 10c.; 1 lb. 40c.

Straight staples (unbent), 3 oz. 5c.; 1 lb. 20c.

Wide Frames to Hold Sections 4 1-4x4 1-4x1 15-16.



Wide frames were the original arrangement for holding sections in Simplicity Hives and while still in use, have been largely superseded by the introduction of more convenient devices, such as Section Holders, T Supers and Crates, described elsewhere.

We keep these frames always in stock.

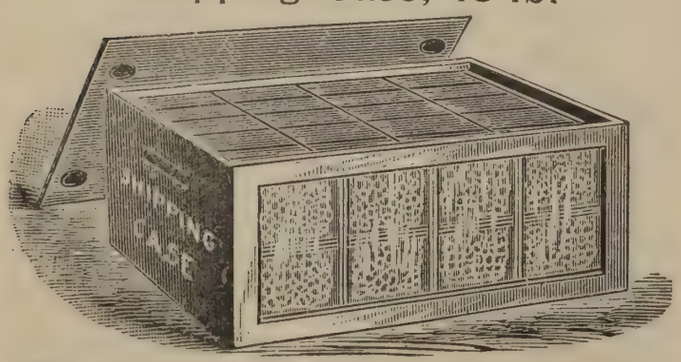
Wide Frames in Flat.

NAME.	Price of 100	Price of 500	Weight of 100.
Wide frames for eight 1-lb. sections	2.00	8.00	50 lbs.
Crosswise wide frames for six sections	2.00	7.50	40 "
Half depth wide frames for four sections	2.00	7.50	40 "

Section Holders for dovetailed hives (see cut in description of said hive) are made with bottom ¼-in. thick by 1⅞-in. wide, and are cut out to fit insets of sections. The ends are ⅛x1⅞x4¼. They have no top bar nor are separators included in price.

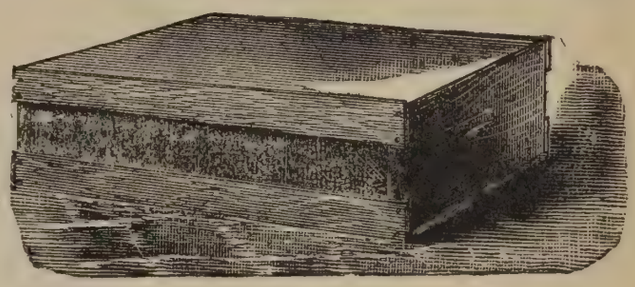
Price per 100.....$1 20
" " 500..... 5 00

Shipping Case, 48 lb.



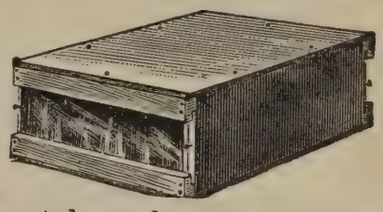
We make these cases to take two lights of glass to a side, 3x18, the parting strip covering the sections where the upper and lower tier come together. The advantage of using 3x18 glass in place of 8x18 is the less liability of its getting broken in transit and being somewhat cheaper.

24-lb. Single Tier Shipping Case.



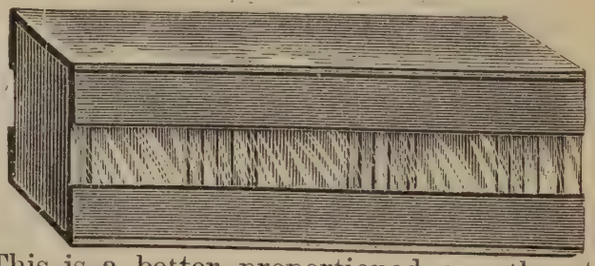
Single tier shipping cases are the ones most generally in use. They are much less liable to damage in shipping, are easier handled, and being only one tier there is no chance for the sections to become soiled by honey dripping on them, as is quite likely to occur with the lower tier of sections in the double tier cases. We make this case to take glass 2x18, but if wanted will make them to take glass 3x18, at same price in flat without glass. See table of prices of glass for difference of cost of 2x18 and 3x18 glass.

12-lb. Single Tier Shipping Case.



This case takes glass 2x9 and shows two sections.

12-lb. Single Tier Shipping Case, showing Three Sections.



This is a better proportioned case than the foregoing ones and is preferred by many on account of its showing the honey better. Glass required 2x13½.

Prices of Shipping Cases.

Kind of Case.	Nailed, Glass, Each.	In Flat 1	In Flat 10	In Flat 100
48-lb. double tier	.35	.20	1.80	16.00
24-lb. single "	.25	.16	1.40	12.00
12-lb. " " showing, two sections	.15	.10	.80	6.00
12-lb. single tier showing three sections	.18	.12	1.00	8.00

No glass is included with cases in flat.

We make cases to take glass on one or both sides as desired at same price.

If not mentioned in order we always send cases to take glass both sides.

Above cases will take sections 4¼ x 4¼ x 1 15-16, other sizes of 4¼ x 4¼ sections can be used in the cases by wedging or if mentioned in order we will send case for taking width wanted.

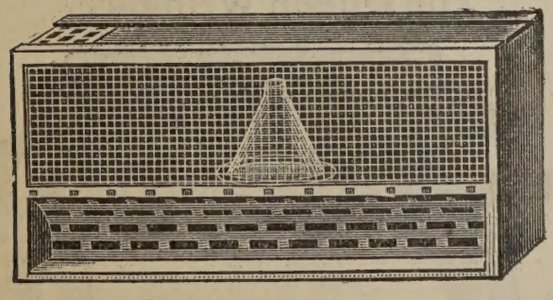
Prices for other sized sections furnished upon application.

Size of Glass.	PRICES. Per Sheet.	Per 10 Sheets.	Box of 50 ft.	No. of Sheets In Box.
8x18 for 48-lb. case	.10	.75	2.80	50
3x18 " 48-lb. " or for 24-lb. case, single tier	.03	.25	2.50	133
2x18 for 28-lb. combined case, or for 24-lb. single tier	.02	.20	2.50	200
2x9 for 12-lb. single tier, two sections	.01	.10	2.50	400
2x13½ for 12-lb. single tier, three sections	.01½	.15	2.50	257

Any small sizes used by bee keepers, for $2 50 per box of 50 feet. In measuring glass fractions of an inch count as full inches. For instance, 4¼ x 4¼ glass will be measured as though it were 5 x 5. At above prices each box must contain but one size.

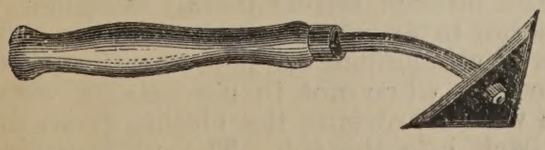
All glass is shipped at purchaser's risk. It will be sent in full boxes from manufacturers or from our own factory, and will be sent in same boxes that manufacturers packed in. We do not insure against breakage. Glass will always be packed with utmost care, but when delivered to railroad company our responsibility ceases.

Alley's Combined Drone and Queen Trap.



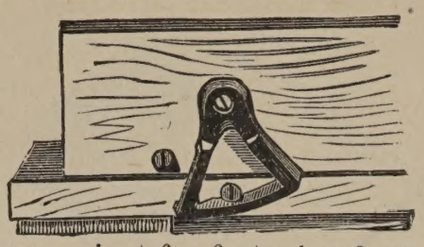
A perfect non-swarming arrangement. Each 50 cents; 10 for $3 50. By mail 15 cents each extra.

Box Scraper.



Very handy for cleaning bottom boards, propolis from frames, etc. Scraper, 25 cents. In lots of ten, $2 25.

The Van Dusen Hive Clamp.

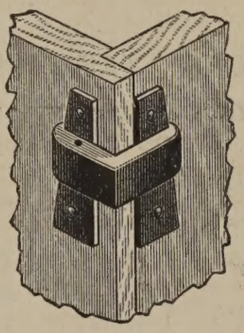


Very convenient for fastening bottom board to Hives, and various other uses.

They come in pairs.

1 pair with 4 screws	$ 05
10 " " "	35
50 " " "	1 50
250 pair or more without screws	5 00

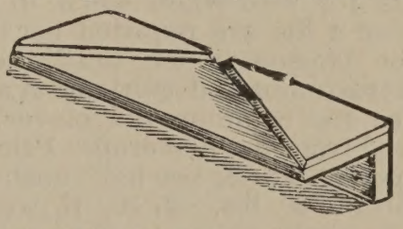
Hive Clasps.



One of the last inventions of Mr. Quinby was the new clasp for the corners of his Hive. It draws equally and perfectly from both ways, and holds the corners as firmly as can be desired.

Sample set (12 pieces constitute a set)	$ 15
By mail	28
10 to 25 sets, per set	14
25 to 50 sets, "	13
50 to 100 sets, "	12
Over 100 sets, "	10

Alighting Board, Detachable.



Put up and painted, each	$ 10
Put up and painted, for 10	80

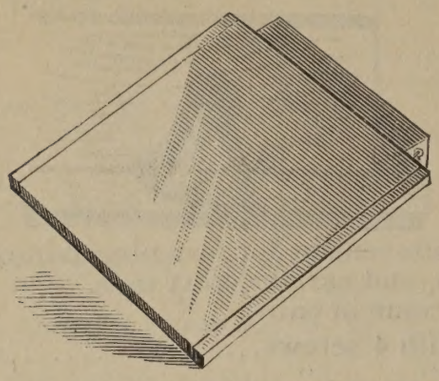
In flat one half above prices.

Hive Carrier.

These are bails with hooks for catching under the bottom board of Hive, and of proper length so that a Hive can be carried easily and safely.

Price per pair...$ 25

"Falcon" Alighting Board.



For attaching to "Falcon" Chaff or Root Simplicity Chaff Hive, each.....$ 10
Per 10..... 85
Per 100..... 8 00

PRICE LIST OF STEEL WIRE NAILS.

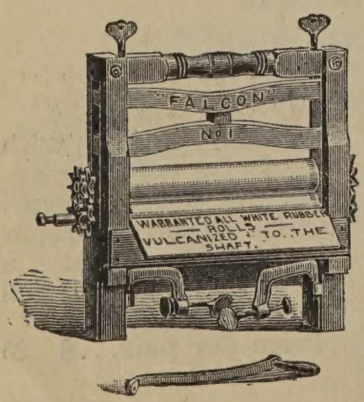
The ¼, ⅜ and ½ inch are also put up in ½ lb. packages, at 15, 12 and 10 cents per package.

Length of Nails.	No. of Nails per lb.	Size of Wire.	Wt. of 5 ct. Pkgs.	1 lb.	10 lbs	25 lbs	100 lbs.
¼ in.	17,777	No. 21	1 oz.	35 ct.	$2.90	$7.00	$28.00
⅜ in.	10,000	No. 20	2 oz.	25 ct.	2.10	5.00	19.00
½ in.	7,500	No. 20	2 oz.	20 ct.	1.70	4.00	16.00
⅝ in.	4,269	No. 19	4 oz.	17 ct.	1.40	3.25	12.00
¾ in.	2,750	No. 18	4 oz.	15 ct.	1.20	2.75	10 00
⅞ in.	2,350	No. 18	4 oz.	14 ct.	1.10	2.50	9.50
1 in.	1,558	No. 17	4 oz.	11 ct.	.90	1.90	7.50
1¼ in.	913	No. 16	8 oz.	10 ct.	.80	1.70	6.80
1½ in.	584	No. 15	8 oz.	9 ct.	.70	1.50	5.50
1¾ in.	406	No. 14	8 oz.	9 ct.	.70	1.50	5.50
2 in.	268	No. 13	8 oz.	8 ct.	.70	1.40	5.25
2¼ in.	238	No. 13	8 oz.	8 ct.	.70	1.40	5.25
2½ in.	164	No. 12	8 oz.	8 ct.	.60	1.35	5.00

Wire Nails by mail, 18c per pound extra for postage.

Alsike Clover.

Can be sown almost any time, but gives best results for seed when sown in April or May About 4 lbs. are required per acre, and it does not blossom much until the second year. Its treatment and cultivation are much the same as for common red clover, but the seed is saved from the first crop. Price per lb. 16 cents; per peck, $2; per half bushel, $3 90 per bushel of 60 lbs. $7 50, if wanted by mail, add 9c per lb, for bag and postage.



The Falcon Wringer.

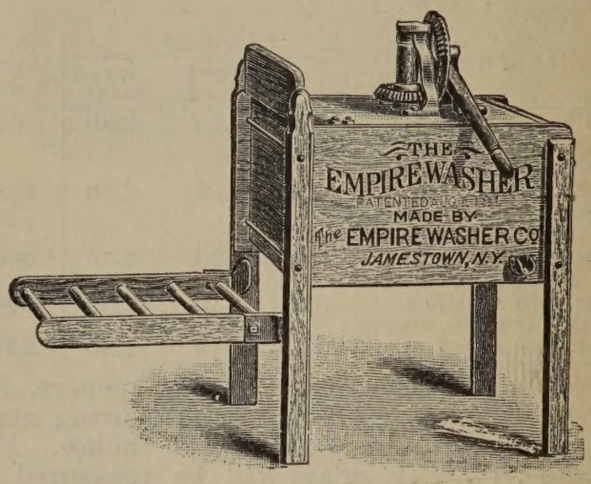
This is a first-class wood frame Wringer, with double cogs, galvanized malleable castings, and the best white rubber rolls made. It is fully warranted.

Price, each....$2.75

Novelties Manufactured by the Empire Washer Co.

We can recommend the following goods as being first-class in every particular. They never fail to give entire satisfaction. Should you purchase any of them we will refund the price if they do not suit you.

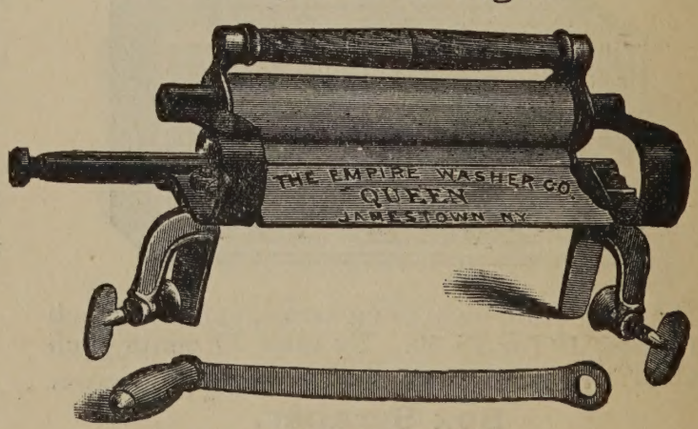
The Empire Washer.



This Washer is the most practical machine ever invented. It will wash perfectly clean, and does not injure the clothes. The frailest woman or child 12 years old can operate it with ease, and washing can be done with it in one-third the time it takes by hand. This style of Washing Machine is acknowledged by all to be the correct idea of a washer, and the Empire contains all the very latest improvements. Thousands of them have been sold.

Price of No. 2, (regular size).....$7.00
Price of Style A, (large size)..... 8.00

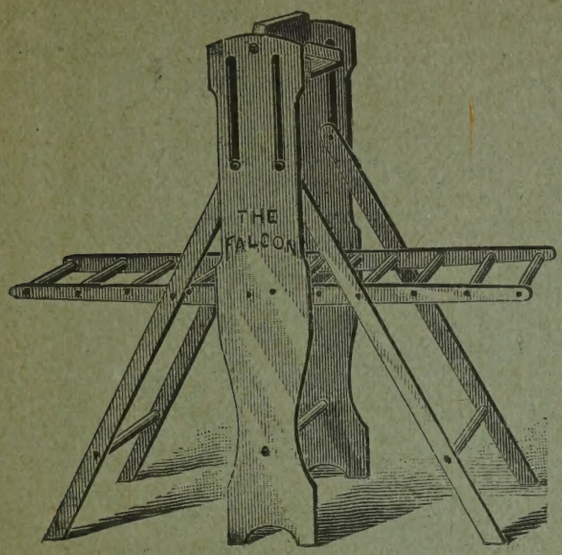
The Queen Wringer.



For an all-iron self-adjusting Wringer, this is superior in every way to any other made. It has an attachment for relieving the pressure on the rolls when not in use, also a wooden apron which prevents the clothes from dropping back into the tub. The rolls are warranted not to break or become loose.

Price, each.....$2.50

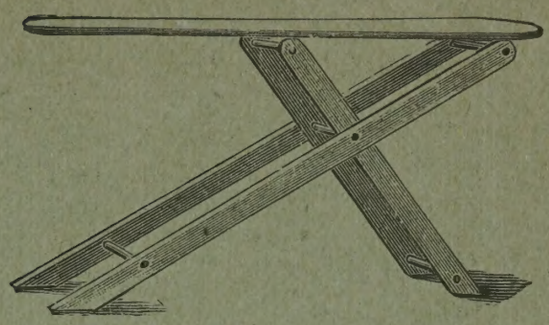
The Falcon Folding Wash-bench.



This is the lightest strongest and most convenient Wash-bench ever invented. One or both sides can be used at once, and a Wringer can be attached so as to operate from either side. When not in use it can be folded together and hung up out of the way.

Price, each.....$1.50

The Empire Ironing Table.



Can be raised or lowered to any convenient height, and folds up when not in use. It is strong and substantial.

Price each.....$1.25

BOOKS FOR BEE-KEEPERS.

Every bee-keeper, and especially if he has not had long experience, should have at least one good text-book on the subject. The following are doubtless the very best works on bee-keeping. In ordering by mail be sure to add the amount of postage named.

	POSTAGE.	PRICE.
A. B. C. of Bee Culture, (A. I. Root) Cloth.....	15c.	$1.10
A Year Among Bees, (Dr. C. C. Miller).....	5c.	.45
Bee-keepers' Guide, (Prof. A. J. Cook).....	15c.	1.35
Langstroth on the Honey Bee, revised, (Dadant).....	15c.	1.85
Success in Bee Culture, (Heddon).....	5c.	.45
Quinby's New Bee-keeping.....	10c.	1.40
Queen Rearing, (H. Alley).....	10c.	1.00
Thirty Years Among Bees, (Alley).....	2c.	.48

Every Bee-keeper should take at least ONE good Bee paper. More than the subscription price will be saved each year if the good advice therein is followed.

THE AMERICAN BEE-KEEPER

Is a thoroughly practical journal, devoted exclusively to those interested in the production of honey. Its contents are furnished by the very best writers on bee culture, and bee hives and other fixtures of importance are illustrated and described as soon as out. It is impartial on all subjects and endeavors to give the novice *honest advice.*

It contains 20 pages, with illustrated cover.....price, 50c. a year.
Two copies to one post-office..... " 85c. "
Three " " " ..... " $1.20 "

Published monthly by the W. T. Falconer Mfg. Co.

ELECTROTYPES.

We can furnish Electrotypes of engravings furnished in this Price List for 20 cents per square inch. If by mail 25 cents per square inch.

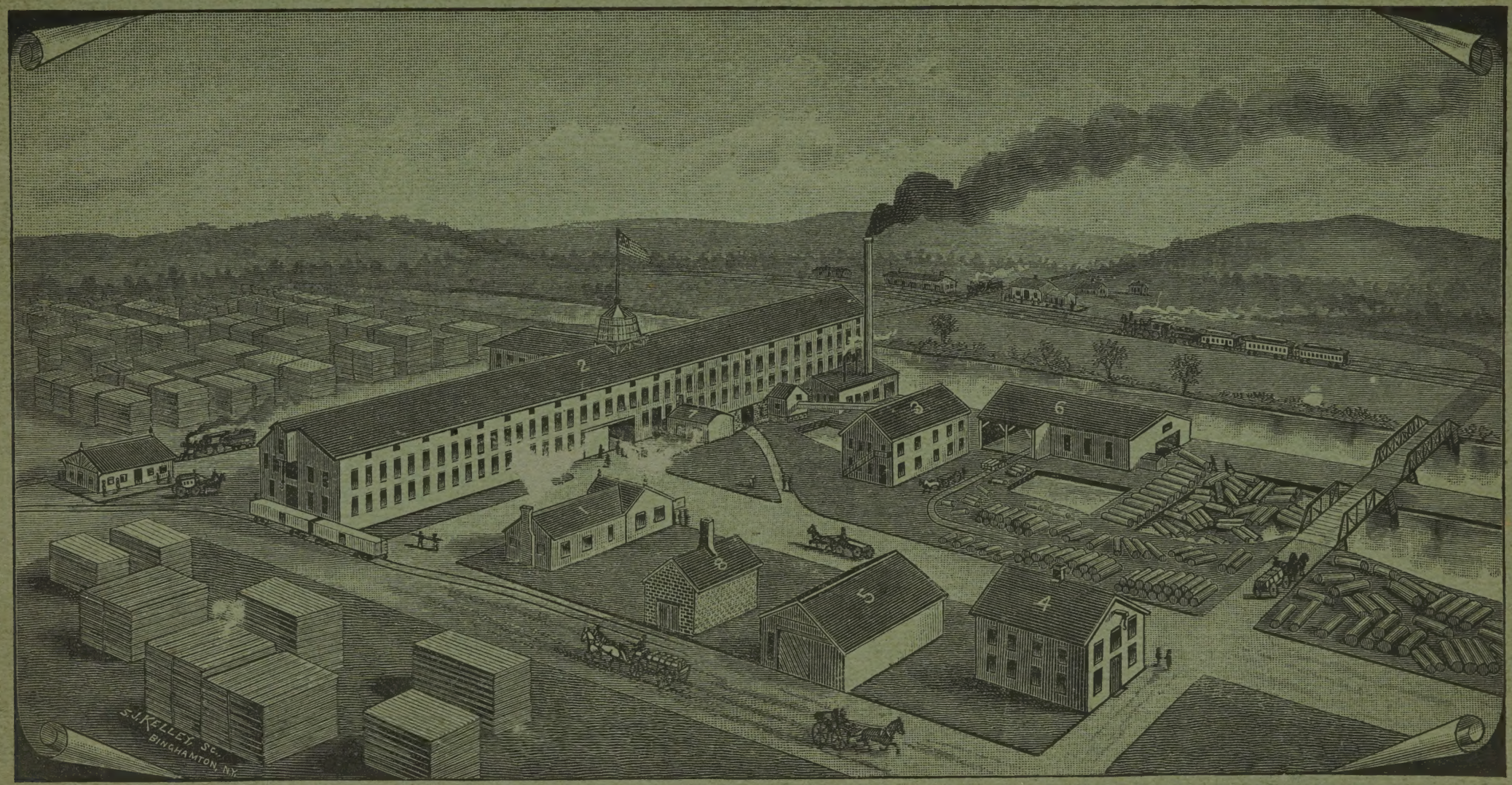
To figure size measure the blank space around the engraving.

BIRDS-EYE VIEW OF

THE OFFICE, FACTORY, SAWMILL, STOREHOUSES, Etc.

—OF—

THE W. T. FALCONER MFG. CO., situated at FALCONER, N. Y.



1.—OFFICE. 2.—MAIN FACTORY. 3.—FOUNDATION FACTORY. 4.—STOREHOUSE. 5.—STABLES. 6.—SAW-MILL. 7 & 8.—STEAM DRY KILNS.

Storehouses on opposite side of Factory not shown.

OUR MAIN FACTORY IS 230 FEET LONG, AND HAS AN ADDITION ON OPPOSITE SIDE 50x100 FEET, TWO STORIES HIGH.